

# **Data Report: Conventional Water Chemistry for 2005 Storm Events in Support of the Storm Water Studies in Sinclair and Dyes Inlet, Washington**

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## **ABSTRACT**

Sinclair Inlet and Dyes Inlet were listed on the State of Washington's 1998 Section 303(d) list of impaired waters because of fecal coliform contamination in marine waters and tributary streams, heavy metals and toxic organics in the bottom sediments, and polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCBs), aldrin, dieldrin, mercury (Hg), and arsenic (As) in the tissues of marine organisms. A cooperative watershed agreement for the inlets was established among the Puget Sound Naval Shipyard (PSNS) and Intermediate Maintenance Facility (IMF); the Environmental Protection Agency (EPA); the Washington State Department of Ecology (Ecology); and other technical stakeholders. The ENVironmental inVESTment group (ENVVEST) was formed to assist regulatory agencies in developing total maximum daily loads (TMDL) and to assess ecological risk within the watershed. ENVVEST identified contaminant loading during storm events as a data gap for the inlets. The 2005 storm water sampling program collected flow and water quality data from selected marine locations, representative streams, storm water outfalls, storm water drainages, and waste water treatment outfalls discharging in the Sinclair and Dyes Inlet watershed during seven winter/spring storm events. Storm event mean samples were analyzed for conventional water quality parameters, metals, and organic contaminants. The 2005 storm water data were reported in a series of three reports: conventional parameters, metals chemistry, and organic contaminants. This report summarizes the 2005 conventional water quality data and quality control sample information.

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## OVERVIEW

The Sinclair/Dyes Inlets watershed is located within Kitsap County, Washington. The boundaries of the watershed include the receiving waters of Sinclair and Dyes Inlets, which are connected to the main basin of Puget Sound through two passages. Sinclair Inlet and Dyes Inlets were listed on the State of Washington's 1998 Section 303(d) list of impaired waters because of fecal coliform contamination in marine waters and tributary streams, heavy metals and toxic organics in the bottom sediments, and polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCBs), aldrin, dieldrin, mercury (Hg), and arsenic (As) in the tissues of marine organisms (Ecology 1998). A cooperative watershed agreement for the inlets was established among the Puget Sound Naval Shipyard (PSNS) and Intermediate Maintenance Facility (IMF); the Environmental Protection Agency (EPA); the Washington State Department of Ecology (Ecology); and other technical stakeholders. These cooperative agreements led to the development of an ENVironmental inVESTment project known as Project ENVVEST. The focus of Project ENVVEST is to assist regulatory agencies in developing total maximum daily loads (TMDL) and assessing ecological risk within the watershed. Project ENVVEST will provide regulatory agencies with data that will help them understand and address sources of pollution coming into the inlets.

One task within the ENVVEST program was the 2005 Storm Event Sampling in the Sinclair and Dyes Inlet Watershed. The objectives of this project were to obtain data to support total loading and modeling analysis of contaminants discharged into Sinclair and Dyes Inlets, to develop preliminary data on contaminant levels in nonpoint source runoff in Gorst to evaluate the potential for developing restoration alternatives, and to assess the impact of storm event runoff on the water quality of the inlets. The data obtained from these sampling efforts will be used to elucidate the interconnection of water quality and watershed hydrology, land use, and land cover. The project focused on collecting flow and water quality data from representative streams, storm water outfalls, storm water drainages, and waste water treatment outfalls discharging in the Sinclair and Dyes Inlet watershed during storm events in winter/spring 2005. Storm water was collected from three regions within the watershed: 1) Gorst (head of Sinclair Inlet), 2) Sinclair Inlet, and

3) Dyes Inlet. In addition to storm water, ambient marine samples were collected following each storm event to assess the impact of storm event runoff on ambient water quality in the inlets.

Storm event sampling was conducted by The Environmental Company (TEC) and PSNS. Samples were collected from qualifying storm events, which were defined as storms resulting in more than 0.25 inches of rain within a 24-hour period, following a discernable period of no rainfall. Storm water samples were collected throughout the storm event using either a portable Isco autosampler (ISCO) programmed to create 3-4-hour composites or discrete grab samples collected at the beginning, middle, and end of each storm. Immediately following the storm event, data from each of the flow monitors were downloaded and processed to produce the storm hydrograph for selected stations. The storm hydrographs along with physical data (temperature, salinity, turbidity and pH) were used to develop a *post-hoc* compositing scheme to best represent storm water flow and to eliminate periods of tidal intrusion and low-to-no flow for each event-mean composite sample. Samples and data were collected for the following regions and storm events:

1. Gorst: 17-18 January 2005
2. Gorst: 22 January 2005
3. Sinclair: 28 February to 1 March 2005
4. Sinclair: 19-20 March 2005
5. Dyes: 26 March, 2005
6. Dyes: 31 March to 1 April 2005
7. Bainbridge Island: 10-11 April 2005.

Samples were composited at Battelle Marine Sciences Laboratory and analyzed for conventional water chemistry parameters, nutrients, metals, and toxic organics to obtain storm event mean concentrations of contaminants. This report summarizes the conventional water chemistry and nutrient data for the 2005 storm water samples. The list of possible water chemistry parameters includes: alkalinity, hardness, total solids (TS), total suspended solids (TSS), total organic carbon (TOC), dissolved organic carbon (DOC), ammonia as nitrogen, nitrate plus nitrite, total nitrogen, and total phosphorus.

For additional project information see the following documents:

- Storm Event Sampling in the Sinclair and Dyes Inlet Watershed: FY2005 Quality Assurance Project Plan – PSNS Project ENVVEST Study Area (TEC 2004a).
- Sampling and Analysis Plan for In-Stream and Storm Water Chemical and Flow Characteristics – PSNS Project ENVVEST Study Area (TEC 2004b).
- Health and Safety Plan for Sampling and Analysis of In-Stream and Storm Water Chemical and Flow Characteristics – PSNS Project ENVVEST Study Area (TEC 2004c).
- Gorst Storm Event 1: Field Sampling Report for the storm on 17-18 January 2005 (TEC 2005a).
- Gorst Storm Event 2: Field Sampling Report for the storm on 22 January 2005 (TEC 2005b).
- Sinclair Storm Event 1: Field Sampling Report for the storm on 28 February – 1 March 2005 (TEC 2005c).
- Sinclair Storm Event 2: Field Sampling Report for the storm on 19-20 March 2005 (TEC 2005d).
- Dyes Storm Event 1: Field Sampling Report for the storm on 26 March 2005 (TEC 2005e).
- Dyes Storm Event 2: Field Sampling Report for the storm on 31 March- 1 April 2005 (TEC 2005f).
- Springbrook Creek Sampling Event: Field Sampling Report for the storm on 10-11 April 2005 (TEC 2005g).

# Field Data Summary: 2005 Storm Water Conventionals

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- Alkalinity, Total as CaCO<sub>3</sub>
- Hardness as CaCO<sub>3</sub>
- Ammonia as Nitrogen
- Nitrate + Nitrite as Nitrogen
- Nitrogen, TKN
- Phosphorus, Total
- DOC
- TOC
- TS
- TSS

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result Result Notes	DL	RL
<b>Alkalinity, Total as CaCO3</b>												
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	188 =	1	2
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	16 =	1	2
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	8 =	1	2
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	44 =	1	2
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	46 =	1	2
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	38 =	1	2
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	31 =	1	2
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	42 =	1	2
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	8 =	1	2
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	22 =	1	2
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	15-Apr	310.1	Alkalinity, Total as CaCO3	44 =	2	1
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	25 =, X	2	1
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	16 =, X	2	1
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	40 =, X	2	1
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	48 =, X	2	1
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	48 =, X	2	1
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	48 =, X	2	1
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	32 =, X	2	1
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	24 =, X	2	1
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	8 =, X	2	1
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	32 =, X	2	1
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	176 =, X	2	1
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	40 =	2	1
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	60 =	2	1
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	65 =	2	1
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	67 =	2	1
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	31 =	2	1
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	88 =	2	1
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	57 =	2	1
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	56 =	2	1
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	49 =	2	1
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	34 =	2	1
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	62 =	2	1
G1221	KAR-WWTP	Sinclair	Baseflow 05	K2502392-024	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	195 =	2	1
G1209	B-WWTP	Sinclair	Baseflow 05	K2502392-025	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	160 =	2	1
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	23 =	1	2
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	41 =	1	2
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	33 =	1	2
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	26 =	1	2
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	23 =	1	2
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	40 =	1	2
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	14 =	1	2
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	28 =	1	2
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	148 =	1	2

NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report



**Columbia Analytical Services**
**PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study**

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	29-Jan	310.1	Alkalinity, Total as CaCO3	188 =	1	2
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	29-Jan	310.1	Alkalinity, Total as CaCO3	49 =	1	2
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	29-Jan	310.1	Alkalinity, Total as CaCO3	48 =	1	2
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	29-Jan	310.1	Alkalinity, Total as CaCO3	40 =	1	2
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	2-Feb	310.1	Alkalinity, Total as CaCO3	46 =	1	2
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	2-Feb	310.1	Alkalinity, Total as CaCO3	46 =	1	2
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	2-Feb	310.1	Alkalinity, Total as CaCO3	32 =	1	2
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	2-Feb	310.1	Alkalinity, Total as CaCO3	30 =	1	2
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	43 =	1	2
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	58 =	1	2
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	18 =	1	2
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	18 =	1	2
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	22 =	1	2
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	56 =	1	2
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	22 =	1	2
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	173 =	1	2
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	191 =	1	2
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	40 =	1	2
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	54 =	1	2
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	11 =	1	2
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	11 =	1	2
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	21 =	1	2
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	50 =	1	2
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	44 =	1	2
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	242 =	1	2
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	22 =	1	2
<b>Hardness as CaCO3</b>												
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	46 =	2	0.6
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	23 =	2	0.6
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	54 =	2	0.6
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	67 =	2	0.6
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	60 =	2	0.6
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	54 =	2	0.6
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	34 =	2	0.6
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	28 =	2	0.6
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	8-Apr	130.2	Hardness as CaCO3	16 =	2	0.6
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	32 =	2	0.6
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	8-Apr	130.2	Hardness as CaCO3	72 =	2	0.6
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	45 =	2	0.6
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	64 =	2	0.6
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	69 =	2	0.6
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	87 =	2	0.6
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	29 =	2	0.6
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	95 =	2	0.6

 NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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 2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		DL	RL
										Result	Notes		
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	67 =		2	0.6
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	59 =		2	0.6
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	50 =		2	0.6
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	37 =		2	0.6
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	69 =		2	0.6
G1221	KAR-WWTP	Sinclair	Baseflow 05	K2502392-024	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	72 =		2	0.6
G1209	B-WWTP	Sinclair	Baseflow 05	K2502392-025	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	267 =		2	0.6
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	38 =		0.6	2
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	44 =		0.6	2
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	38 =		0.6	2
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	32 =		0.6	2
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	44 =		0.6	2
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	35 =		0.6	2
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	22 =		0.6	2
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	32 =		0.6	2
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	76 =		0.6	2
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	50 =		0.6	2
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	63 =		0.6	2
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	17 =		0.6	2
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	19 =		0.6	2
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	383 =		0.6	2
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	2230 =		0.6	2
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	174 =		0.6	2
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	68 =		0.6	2
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	24 =		0.6	2
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	8-Apr	130.2	Hardness as CaCO3	68 =		0.6	2
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	28 =		0.6	2
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	14 =		0.6	2
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	57 =		0.6	2
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	58 =		0.6	2
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	52 =		0.6	2
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	39 =		0.6	2
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	45 =		0.6	2
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	22 =		0.6	2
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	24 =		0.6	2
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	20-Apr	130.2	Hardness as CaCO3	49 =		2	0.6
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	74 =		0.6	2
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	58 =		0.6	2
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	50 =		0.6	2
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	42 =		0.6	2
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	56 =		0.6	2
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	45 =		0.6	2
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	37 =		0.6	2
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	34 =		0.6	2
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	42 =		0.6	2

NOTE: All samples collected, processed, and analyzed in 2005

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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	65 =	0.6	2
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	38 =	0.6	2
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	28 =	0.6	2
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	29 =	0.6	2
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	2060 =	0.6	2
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	31 =	0.6	2
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	11-Mar	130.2	Hardness as CaCO3	339 =	0.6	2
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	11-Mar	130.2	Hardness as CaCO3	71 =	0.6	2

Ammonia as Nitrogen

M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.04 =		0.004	0.01
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.004	0.01
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.004	0.01
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	8-Apr	350.1	Ammonia as Nitrogen	24.9 =		0.1	0.3
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.06 =		0.004	0.01
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.02 =		0.004	0.01
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.004	0.01
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.004	0.01
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.004	0.01
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.02 =		0.004	0.01
T1307	B-ST01	Dyes	Storm 1	K2502197-007	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.004	0.01
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	19-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.01	0.004
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.06 =		0.01	0.004
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.02 =		0.01	0.004
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.04 =		0.01	0.004
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.02 =		0.01	0.004
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.01	0.004
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.02 =		0.01	0.004
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.006 =, J		0.01	0.004
T1315	B-ST01	Dyes	Storm 2	K2502392-008	2-Apr	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.01	0.004
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	8-Apr	350.1	Ammonia as Nitrogen	18.4 =		1.3	0.5
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.01	0.004
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.02 =		0.01	0.004
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.02 =		0.01	0.004
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.02 =		0.01	0.004
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.004 =, J		0.01	0.004
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.06 =		0.01	0.004
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.03 =		0.01	0.004
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.01 =		0.01	0.004
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.04 =		0.01	0.004
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.02 =		0.01	0.004
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	0.005 =, J		0.01	0.004
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	8-Apr	350.1	Ammonia as Nitrogen	28.0 =		1.3	0.5
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	8-Apr	350.1	Ammonia as Nitrogen	21.4 =		1.3	0.5
M4104	M4	Marine 1	ENV200501	K2501082-020	9-Feb	11-Feb	17-Feb	350.1	Ammonia as Nitrogen	0.10 =		0.004	0.01

NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result			
										Result	Notes	DL	RL
M4108	M3.1	Marine 1	ENV200501	K2501082-025	9-Feb	11-Feb	17-Feb	350.1	Ammonia as Nitrogen	0.03	=	0.004	0.01
M4109	M6	Marine 1	ENV200501	K2501082-031	9-Feb	11-Feb	17-Feb	350.1	Ammonia as Nitrogen	0.02	=	0.004	0.01
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.05	=	0.004	0.01
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.05	=	0.004	0.01
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.04	=	0.004	0.01
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.02	=	0.004	0.01
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.01	=	0.004	0.01
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.04	=	0.004	0.01
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.04	=	0.004	0.01
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.01	=	0.004	0.01
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	20.3	=	0.32	0.8
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	26.5	=	0.32	0.8
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.02	=	0.004	0.01
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.04	=	0.004	0.01
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.03	=	0.004	0.01
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.03	=	0.004	0.01
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.03	=	0.004	0.01
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.04	=	0.004	0.01
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	0.009	=, J	0.004	0.01
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	ND	ND	0.004	0.01
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	0.005	=, J	0.004	0.01
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.04	=	0.004	0.01
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.04	=	0.004	0.01
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.03	=	0.004	0.01
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	0.01	=	0.004	0.01
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	0.007	=, J	0.004	0.01
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	0.23	=	0.004	0.01
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	0.26	=	0.004	0.01
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	0.29	=	0.004	0.01
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	1.08	=	0.016	0.04
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	0.84	=	0.016	0.04
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	29.8	=	0.4	1.0
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	27.1	=	0.4	1.0
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.03	=	0.004	0.01
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.02	=	0.004	0.01
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.15	=	0.004	0.01
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.15	=	0.004	0.01
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.06	=	0.004	0.01
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.82	=	0.016	0.04
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	1.88	=	0.04	0.05
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	36.8	=	0.4	1.0
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	0.05	=	0.004	0.01

Nitrate+Nitrite as Nitrogen

M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.27	=	0.01	0.05
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NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.29 =	0.01	0.05
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.29 =	0.01	0.05
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.09 =	0.01	0.05
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.36 =	0.01	0.05
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.18 =	0.01	0.05
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.80 =	0.01	0.05
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.52 =	0.01	0.05
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.73 =	0.01	0.05
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.36 =	0.01	0.05
T1307	B-ST01	Dyes	Storm 1	K2502197-007	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.43 =	0.01	0.05
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.42 =	0.05	0.01
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.27 =	0.05	0.01
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.45 =	0.05	0.01
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.53 =	0.05	0.01
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.72 =	0.05	0.01
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.44 =	0.05	0.01
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.57 =	0.05	0.01
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.27 =	0.05	0.01
T1315	B-ST01	Dyes	Storm 2	K2502392-008	2-Apr	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.41 =	0.05	0.01
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.45 =	0.05	0.01
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.66 =	0.05	0.01
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1.00 =	0.05	0.01
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.64 =	0.05	0.01
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.83 =	0.05	0.01
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.29 =	0.05	0.01
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.67 =	0.05	0.01
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1.64 =	0.05	0.01
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.80 =	0.05	0.01
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.56 =	0.05	0.01
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.47 =	0.05	0.01
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1.73 =	0.05	0.01
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.08 =	0.05	0.01
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.80 =	0.05	0.01
M4104	M4	Marine 1	ENV200501	K2501082-020	9-Feb	11-Feb	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	0.38 =	0.01	0.05
M4108	M3.1	Marine 1	ENV200501	K2501082-025	9-Feb	11-Feb	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	0.39 =	0.01	0.05
M4109	M6	Marine 1	ENV200501	K2501082-031	9-Feb	11-Feb	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	0.37 =	0.01	0.05
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1.51 =	0.01	0.05
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.89 =	0.01	0.05
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.76 =	0.01	0.05
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.87 =	0.01	0.05
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.56 =	0.01	0.05
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1.17 =	0.01	0.05
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.66 =	0.01	0.05
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.84 =	0.01	0.05
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.24 =	0.01	0.05

NOTE: All samples collected, processed, and analyzed in 2005

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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.04 =, J	0.01	0.05
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1.42 =	0.01	0.05
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.63 =	0.01	0.05
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.62 =	0.01	0.05
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.52 =	0.01	0.05
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1.04 =	0.01	0.05
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.89 =	0.01	0.05
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	0.45 =	0.01	0.05
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	0.37 =	0.01	0.05
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	0.34 =	0.01	0.05
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.31 =	0.01	0.05
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.32 =	0.01	0.05
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.30 =	0.01	0.05
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	0.42 =	0.01	0.05
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1.57 =	0.01	0.05
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	0.20 =	0.01	0.05
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	0.20 =	0.01	0.05
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	0.22 =	0.01	0.05
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1.41 =	0.01	0.05
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	0.29 =	0.01	0.05
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	0.11 =	0.01	0.05
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	0.06 =	0.01	0.05
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.41 =	0.01	0.05
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1.30 =	0.01	0.05
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.15 =	0.01	0.05
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.16 =	0.01	0.05
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.18 =	0.01	0.05
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1.04 =	0.01	0.05
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.31 =	0.01	0.05
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.53 =	0.01	0.05
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	0.46 =	0.01	0.05
Nitrogen, Total Kjeldahl (TKN)												
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1.2 =	0.07	0.1
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	4-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1.2 =	0.07	0.1
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1.9 =	0.07	0.1
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	23.5 =	0.07	0.1
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.07	0.1
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.2 =	0.07	0.1
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1.0 =	0.07	0.1
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.7 =	0.07	0.1
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.07	0.1
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.3 =	0.07	0.1
T1307	B-ST01	Dyes	Storm 1	K2502197-007	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.8 =	0.07	0.1
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	21-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.8 =	0.1	0.07

NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.3 =	0.1	0.07
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.5 =	0.1	0.07
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.7 =	0.1	0.07
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.8 =	0.1	0.07
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.5 =	0.1	0.07
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.1	0.07
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.3 =	0.1	0.07
T1315	B-ST01	Dyes	Storm 2	K2502392-008	2-Apr	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.4 =	0.1	0.07
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	31.1 =	0.1	0.07
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.4 =	0.1	0.07
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.1	0.07
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.3 =	0.1	0.07
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.3 =	0.1	0.07
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.3 =	0.1	0.07
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.2 =	0.1	0.07
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.5 =	0.1	0.07
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.3 =	0.1	0.07
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.3 =	0.1	0.07
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	2.7 =	0.1	0.07
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.5 =	0.1	0.07
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	35.3 =	0.1	0.07
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	23.1 =	0.1	0.07
M4104	M4	Marine 1	ENV200501	K2501082-020	9-Feb	11-Feb	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.07	0.1
M4108	M3.1	Marine 1	ENV200501	K2501082-025	9-Feb	11-Feb	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.2 =	0.07	0.1
M4109	M6	Marine 1	ENV200501	K2501082-031	9-Feb	11-Feb	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.4 =	0.07	0.1
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1.6 =	0.07	0.1
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1.1 =	0.07	0.1
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.07	0.1
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.07	0.1
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	0.8 =	0.07	0.1
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1.1 =	0.07	0.1
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	0.9 =	0.07	0.1
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	0.8 =	0.07	0.1
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	28.3 =	0.07	0.1
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	36.8 =	1.8	3.0
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.7 =	0.07	0.1
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.7 =	0.07	0.1
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.4 =	0.07	0.1
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.7 =	0.07	0.1
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.8 =	0.07	0.1
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.07	0.1
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	0.7 =	0.07	0.1
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	0.3 =	0.07	0.1
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	0.5 =	0.07	0.1
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.07	0.1

NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.7 =	0.07	0.1
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	2.4 =	0.07	0.1
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	0.7 =	0.07	0.1
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	ND ND	0.07	0.1
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1.5 =	0.07	0.1
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	0.8 =	0.07	0.1
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1.1 =	0.07	0.1
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	3.5 =	0.07	0.1
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	2.6 =	0.07	0.1
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	25.6 =	0.07	0.1
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	27.8 =	0.07	0.1
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.07	0.1
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1.7 =	0.07	0.1
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1.2 =	0.07	0.1
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.7 =	0.07	0.1
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.9 =	0.07	0.1
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	2.4 =	0.07	0.1
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	11.0 =	0.07	0.1
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	43.5 =	0.07	0.1
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	0.6 =	0.07	0.1
Phosphorus, Total												
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	4-Apr	365.3	Phosphorus, Total	0.08 =	0.005	0.01
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	4-Apr	365.3	Phosphorus, Total	0.07 =	0.005	0.01
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	4-Apr	365.3	Phosphorus, Total	0.08 =	0.005	0.01
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	4-Apr	365.3	Phosphorus, Total	2.43 =	0.025	0.05
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	0.11 =	0.005	0.01
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	0.07 =	0.005	0.01
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	0.17 =	0.005	0.01
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	0.10 =	0.005	0.01
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	0.09 =	0.005	0.01
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	0.06 =	0.005	0.01
T1307	B-ST01	Dyes	Storm 1	K2502197-007	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	0.09 =	0.005	0.01
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	19-Apr	365.3	Phosphorus, Total	0.10 =	0.01	0.005
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.07 =	0.01	0.005
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.05 =	0.01	0.005
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.09 =	0.01	0.005
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.16 =	0.01	0.005
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.08 =	0.01	0.005
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.07 =	0.01	0.005
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.03 =	0.01	0.005
T1315	B-ST01	Dyes	Storm 2	K2502392-008	2-Apr	5-Apr	6-Apr	365.3	Phosphorus, Total	0.09 =	0.01	0.005
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	6-Apr	365.3	Phosphorus, Total	4.5 =	0.1	0.05
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.05 =	0.01	0.005
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.04 =	0.01	0.005

NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.04 =	0.01	0.005
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.03 =	0.01	0.005
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.02 =	0.01	0.005
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.07 =	0.01	0.005
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.26 =	0.01	0.005
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.06 =	0.01	0.005
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.03 =	0.01	0.005
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.05 =	0.01	0.005
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	0.03 =	0.01	0.005
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	4.0 =	0.1	0.05
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	2.01 =	0.05	0.025
M4104	M4	Marine 1	ENV200501	K2501082-020	9-Feb	11-Feb	14-Feb	365.3	Phosphorus, Total	0.08 =	0.005	0.01
M4108	M3.1	Marine 1	ENV200501	K2501082-025	9-Feb	11-Feb	14-Feb	365.3	Phosphorus, Total	0.07 =	0.005	0.01
M4109	M6	Marine 1	ENV200501	K2501082-031	9-Feb	11-Feb	14-Feb	365.3	Phosphorus, Total	0.08 =	0.005	0.01
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	0.24 =	0.005	0.01
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	0.11 =	0.01	0.01
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	0.09 =	0.01	0.01
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	0.09 =	0.005	0.01
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	0.15 =	0.005	0.01
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	0.25 =	0.005	0.01
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	0.13 =	0.005	0.01
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	0.10 =	0.005	0.01
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	4.3 =	0.05	0.1
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	3.8 =	0.05	0.1
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	0.03 =	0.005	0.01
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	0.03 =	0.005	0.01
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	0.02 =	0.005	0.01
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	0.04 =	0.005	0.01
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	0.06 =	0.005	0.01
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	0.04 =	0.005	0.01
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	0.03 =	0.005	0.01
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	7-Mar	365.3	Phosphorus, Total	0.09 =	0.005	0.01
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	7-Mar	365.3	Phosphorus, Total	0.08 =	0.005	0.01
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.08 =	0.005	0.01
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.08 =	0.005	0.01
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.08 =	0.005	0.01
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	0.05 =	0.005	0.01
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	0.08 =	0.005	0.01
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	0.20 =	0.005	0.01
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	0.15 =	0.005	0.01
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	0.24 =	0.005	0.01
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	1.32 =	0.025	0.05
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	0.36 =	0.005	0.01
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	7-Mar	365.3	Phosphorus, Total	1.52 =	0.025	0.05
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	7-Mar	365.3	Phosphorus, Total	1.57 =	0.025	0.05

NOTE: All samples collected, processed, and analyzed in 2005

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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result			
										Result	Notes	DL	RL
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.08	=	0.005	0.01
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.18	=	0.005	0.01
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.15	=	0.005	0.01
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.13	=	0.005	0.01
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.12	=	0.005	0.01
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.89	=	0.01	0.02
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.90	=	0.01	0.02
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	4.3	=	0.05	0.1
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	0.07	=	0.005	0.01

Carbon, Dissolved Organic (DOC)

M4250	P3	Marine 4	ENV200504	K2502263-001	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.3	=	0.2	0.5
M4251	P2	Marine 4	ENV200504	K2502263-002	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.4	=	0.2	0.5
M4252	P1	Marine 4	ENV200504	K2502263-003	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.1	=	0.2	0.5
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.1	=	0.2	0.5
M4254	M3.3	Marine 4	ENV200504	K2502263-005	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.0	=	0.2	0.5
M4255	SN12	Marine 4	ENV200504	K2502263-006	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.0	=	0.2	0.5
M4256	BJ-EST	Marine 4	ENV200504	K2502263-007	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.7	=	0.2	0.5
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.1	=	0.2	0.5
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.0	=	0.2	0.5
M4259	M6	Marine 4	ENV200504	K2502263-010	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.0	=	0.2	0.5
M4260	DY01	Marine 4	ENV200504	K2502263-011	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.0	=	0.2	0.5
M4262	PL10	Marine 4	ENV200504	K2502263-012	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.2	=	0.2	0.5
M4263	PL11	Marine 4	ENV200504	K2502263-013	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.1	=	0.2	0.5
M4264	PL12	Marine 4	ENV200504	K2502263-014	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.1	=	0.2	0.5
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	10.4	=	0.2	0.5
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	6.3	=	0.1	0.5
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	2.4	=	0.1	0.5
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	10.2	=	0.1	0.5
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	9.2	=	0.1	0.5
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	10.5	=	0.1	0.5
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	3.3	=	0.1	0.5
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	11.4	=	0.1	0.5
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	3.1	=	0.1	0.5
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	6.5	=	0.1	0.5
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	10.3	=	0.25	0.1
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	5.3	=	0.25	0.1
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	2.1	=	0.25	0.1
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	11.3	=	0.25	0.1
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	9.5	=	0.25	0.1
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	9.3	=	0.25	0.1
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	7.5	=	0.25	0.1
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	2.9	=	0.25	0.1
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	12.0	=	0.25	0.1
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	2.8	=	0.25	0.1

NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventionals in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	6.4 =	0.25	0.1
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	11.3 =	0.25	0.1
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	9.3 =	0.25	0.1
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	6.1 =	0.25	0.1
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	6.0 =	0.25	0.1
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	5.5 =	0.25	0.1
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	2.7 =	0.25	0.1
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	6.0 =	0.25	0.1
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	2.3 =	0.25	0.1
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	4.1 =	0.25	0.1
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1.8 =	0.25	0.1
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	9.6 =	0.25	0.1
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	2.8 =	0.25	0.1
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	12.8 =	0.25	0.1
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	9.4 =	0.25	0.1
M4100	P3	Marine 1	ENV200501	K2501082-015	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1.0 =	0.2	0.5
M4101	P2	Marine 1	ENV200501	K2501082-016	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1.0 =	0.2	0.5
M4102	P2-dup	Marine 1	ENV200501	K2501082-017	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1.0 =	0.2	0.5
M4103	P1	Marine 1	ENV200501	K2501082-018	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1.1 =	0.2	0.5
M4104	M4	Marine 1	ENV200501	K2501082-019	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1.1 =	0.2	0.5
M4105	M3.3	Marine 1	ENV200501	K2501082-021	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1.0 =	0.2	0.5
M4106	SN12	Marine 1	ENV200501	K2501082-022	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1.0 =	0.2	0.5
M4107	BJ-EST	Marine 1	ENV200501	K2501082-023	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1.6 =	0.2	0.5
M4108	M3.1	Marine 1	ENV200501	K2501082-024	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	0.9 =	0.2	0.5
M4109	M6	Marine 1	ENV200501	K2501082-026	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	0.8 =	0.2	0.5
M4110	DY01	Marine 1	ENV200501	K2501082-027	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1.2 =	0.2	0.5
M4112	PLO1	Marine 1	ENV200501	K2501082-028	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	0.9 =	0.2	0.5
M4113	PLO2	Marine 1	ENV200501	K2501082-029	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	0.9 =	0.2	0.5
M4114	PLO3	Marine 1	ENV200501	K2501082-030	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	0.9 =	0.2	0.5
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	7.3 =	0.1	0.5
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	4.5 =	0.1	0.5
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	4.5 =	0.1	0.5
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	6.2 =	0.1	0.5
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	7.6 =	0.1	0.5
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	7.3 =	0.1	0.5
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	6.3 =	0.1	0.5
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	6.5 =	0.1	0.5
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	16.6 =	0.1	0.5
G1108-A	WADOT-03	Gorst Rest	Storm 1	K2500540-010	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	3.7 =	0.1	0.5
G1108-B	WADOT-03	Gorst Rest	Storm 1	K2500540-011	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	4.5 =	0.1	0.5
G1108-C	WADOT-03	Gorst Rest	Storm 1	K2500540-012	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	3.0 =	0.1	0.5
G1103-A	AC-LOW	Gorst Rest	Storm 1	K2500540-013	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1.8 =	0.1	0.5
G1103-B	AC-LOW	Gorst Rest	Storm 1	K2500540-014	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	7.8 =	0.1	0.5
G1103-C	AC-LOW	Gorst Rest	Storm 1	K2500540-015	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	6.4 =	0.1	0.5
G1104-A	GC-M	Gorst Rest	Storm 1	K2500540-016	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1.9 =	0.1	0.5

NOTE: All samples collected, processed, and analyzed in 2005

DL = Detection Limit; RL = Reporting Limit

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**Columbia Analytical Services**
**PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study**

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result			
										Result	Notes	DL	RL
G1104-B	GC-M	Gorst Rest	Storm 1	K2500540-017	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	5.5 =		0.1	0.5
G1104-C	GC-M	Gorst Rest	Storm 1	K2500540-018	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	4.8 =		0.1	0.5
G1105-A	WADOT-01A	Gorst Rest	Storm 1	K2500540-019	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	2.1 =		0.1	0.5
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-020	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1.5 =		0.1	0.5
G1105-C	WADOT-01A	Gorst Rest	Storm 1	K2500540-021	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	5.7 =		0.1	0.5
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-022	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1.6 =		0.1	0.5
G1106-B	WADOT-01B	Gorst Rest	Storm 1	K2500540-023	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1.9 =		0.1	0.5
G1107-A	WADOT-02	Gorst Rest	Storm 1	K2500540-024	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1.5 =		0.1	0.5
G1107-B	WADOT-02	Gorst Rest	Storm 1	K2500540-025	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1.1 =		0.1	0.5
G1107-C	WADOT-02	Gorst Rest	Storm 1	K2500540-026	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	7.6 =		0.1	0.5
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-001	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	2.9 =		0.1	0.5
G1112-B	AC-LOW	Gorst Rest	Storm 2	K2500600-002	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	2.9 =		0.1	0.5
G1112-C	AC-LOW	Gorst Rest	Storm 2	K2500600-003	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	2.9 =		0.1	0.5
G1113-A	GC-M	Gorst Rest	Storm 2	K2500600-004	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	2.2 =		0.1	0.5
G1113-B	GC-M	Gorst Rest	Storm 2	K2500600-005	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	2.5 =		0.1	0.5
G1113-C	GC-M	Gorst Rest	Storm 2	K2500600-006	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	2.5 =		0.1	0.5
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-007	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	3.1 =		0.1	0.5
G1114-A	WADOT-01A	Gorst Rest	Storm 2	K2500600-008	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	4.3 =		0.1	0.5
G1114-B	WADOT-01A	Gorst Rest	Storm 2	K2500600-009	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	3.8 =		0.1	0.5
G1114-C	WADOT-01A	Gorst Rest	Storm 2	K2500600-010	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	3.3 =		0.1	0.5
G1116-A	WADOT-02	Gorst Rest	Storm 2	K2500600-011	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	2.8 =		0.1	0.5
G1116-B	WADOT-02	Gorst Rest	Storm 2	K2500600-012	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	4.0 =		0.1	0.5
G1116-C	WADOT-02	Gorst Rest	Storm 2	K2500600-013	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	5.0 =		0.1	0.5
G1117-A	WADOT-03	Gorst Rest	Storm 2	K2500600-014	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	3.5 =		0.1	0.5
G1117-B	WADOT-03	Gorst Rest	Storm 2	K2500600-015	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	4.6 =		0.1	0.5
G1117-C	WADOT-03	Gorst Rest	Storm 2	K2500600-016	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	4.4 =		0.1	0.5
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	14.8 =		0.1	0.5
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	5.2 =		0.1	0.5
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	2.1 =		0.1	0.5
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	2.6 =		0.1	0.5
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	5.4 =		0.1	0.5
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	5.6 =		0.1	0.5
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	5.0 =		0.1	0.5
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	3.0 =		0.1	0.5
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.2 =		0.2	0.5
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4160	DY01	Marine 2	ENV200502	K2501584-003	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4162	PL04	Marine 2	ENV200502	K2501584-004	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.1 =		0.2	0.5
M4163	PL05	Marine 2	ENV200502	K2501584-005	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.1 =		0.2	0.5
M4164	PL06	Marine 2	ENV200502	K2501584-006	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	0.9 =		0.2	0.5
M4150	P3	Marine 2	ENV200502	K2501584-025	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.2 =		0.2	0.5
M4151	P2	Marine 2	ENV200502	K2501584-026	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4152	P1	Marine 2	ENV200502	K2501584-027	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.2 =		0.2	0.5
M4153	M4	Marine 2	ENV200502	K2501584-028	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4154	M4 DUP	Marine 2	ENV200502	K2501584-029	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	0.9 =		0.2	0.5

 NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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 2005 Storm Water Data Report

**Columbia Analytical Services**
**PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study**

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		DL	RL
										Result	Notes		
M4155	M3.3	Marine 2	ENV200502	K2501584-030	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.2 =		0.2	0.5
M4156	SN12	Marine 2	ENV200502	K2501584-031	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4157	BJ-EST	Marine 2	ENV200502	K2501584-032	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.3 =		0.2	0.5
M4200	P3	Marine 3	ENV200503	K2502085-020	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4201	P2	Marine 3	ENV200503	K2502085-021	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4202	P1	Marine 3	ENV200503	K2502085-022	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4204	M3.3	Marine 3	ENV200503	K2502085-024	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	0.9 =		0.2	0.5
M4205	SN12	Marine 3	ENV200503	K2502085-025	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.1 =		0.2	0.5
M4206	SN12DUP	Marine 3	ENV200503	K2502085-026	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4207	BJ-EST	Marine 3	ENV200503	K2502085-027	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.1 =		0.2	0.5
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4210	DY01	Marine 3	ENV200503	K2502085-030	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	0.9 =		0.2	0.5
M4212	PL07	Marine 3	ENV200503	K2502085-031	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
M4213	PL08	Marine 3	ENV200503	K2502085-032	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	0.9 =		0.2	0.5
M4214	PL09	Marine 3	ENV200503	K2502085-033	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1.0 =		0.2	0.5
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	5.4 =		0.1	0.5
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	3.2 =		0.1	0.5
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	10.0 =		0.1	0.5
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	8.4 =		0.1	0.5
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	6.4 =		0.1	0.5
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	5.4 =		0.1	0.5
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	8.2 =		0.1	0.5
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	13.4 =		0.1	0.5
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	13.0 =		0.1	0.5
G1205-A	WADOT-01A	Gorst Rest	Storm 3	K2501584-016	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	6.2 =		0.1	0.5
G1205-B	WADOT-01A	Gorst Rest	Storm 3	K2501584-017	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	7.5 =		0.1	0.5
G1205-C	WADOT-01A	Gorst Rest	Storm 3	K2501584-018	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	3.2 =		0.1	0.5
G1207-A	WADOT-02	Gorst Rest	Storm 3	K2501584-019	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	12.9 =		0.1	0.5
G1207-B	WADOT-02	Gorst Rest	Storm 3	K2501584-020	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	7.8 =		0.1	0.5
G1207-C	WADOT-02	Gorst Rest	Storm 3	K2501584-021	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	7.7 =		0.1	0.5
G1208-A	WADOT-03	Gorst Rest	Storm 3	K2501584-022	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	3.4 =		0.1	0.5
G1208-B	WADOT-03	Gorst Rest	Storm 3	K2501584-023	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	3.3 =		0.1	0.5
G1208-C	WADOT-03	Gorst Rest	Storm 3	K2501584-024	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	4.2 =		0.1	0.5
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	7.8 =		0.1	0.25
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	5.3 =		0.1	0.25
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	4.9 =		0.1	0.25
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	3.5 =		0.1	0.25
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	5.9 =		0.1	0.25
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	3.4 =		0.1	0.25
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	15.3 =		0.1	0.25
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	13.9 =		0.1	0.25
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-009	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	3.5 =		0.1	0.25
G1214-A	WADOT-01A	Gorst Rest	Storm 4	K2502085-010	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	4.2 =		0.1	0.25

NOTE: All samples collected, processed, and analyzed in 2005

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DL = Detection Limit; RL = Reporting Limit

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 2005 Storm Water Data Report

**Columbia Analytical Services**
**PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study**

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		DL	RL
										Result	Notes		
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-011	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	3.1	=	0.1	0.25
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-012	20-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	4.3	=	0.1	0.25
G1214-C [	WADOT-01A	Gorst Rest	Storm 4	K2502085-013	20-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	4.3	=	0.1	0.25
G1216-A	WADOT-02	Gorst Rest	Storm 4	K2502085-014	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	4.2	=	0.1	0.25
G1216-B	WADOT-02	Sinclair	Storm 2	K2502085-015	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	2.5	=	0.1	0.25
G1216-C	WADOT-02	Sinclair	Storm 2	K2502085-016	20-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	7.4	=	0.1	0.25
G1217-A	WADOT-03	Sinclair	Storm 2	K2502085-017	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	4.2	=	0.1	0.25
G1217-B	WADOT-03	Sinclair	Storm 2	K2502085-018	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	7.0	=	0.1	0.25
G1217-C	WADOT-03	Sinclair	Storm 2	K2502085-019	20-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	7.7	=	0.1	0.25
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	3.0	=	0.1	0.25
<b>Carbon, Total Organic (TOC)</b>													
M4250	P3	Marine 4	ENV200504	K2502263-001	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.3	=	0.2	0.5
M4251	P2	Marine 4	ENV200504	K2502263-002	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.4	=	0.2	0.5
M4252	P1	Marine 4	ENV200504	K2502263-003	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.1	=	0.2	0.5
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.2	=	0.2	0.5
M4254	M3.3	Marine 4	ENV200504	K2502263-005	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.2	=	0.2	0.5
M4255	SN12	Marine 4	ENV200504	K2502263-006	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.1	=	0.2	0.5
M4256	BJ-EST	Marine 4	ENV200504	K2502263-007	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.9	=	0.2	0.5
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.2	=	0.2	0.5
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.2	=	0.2	0.5
M4259	M6	Marine 4	ENV200504	K2502263-010	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.2	=	0.2	0.5
M4260	DY01	Marine 4	ENV200504	K2502263-011	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.1	=	0.2	0.5
M4262	PL10	Marine 4	ENV200504	K2502263-012	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.2	=	0.2	0.5
M4263	PL11	Marine 4	ENV200504	K2502263-013	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.1	=	0.2	0.5
M4264	PL12	Marine 4	ENV200504	K2502263-014	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	1.1	=	0.2	0.5
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	14.7	=	0.2	0.5
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	6.6	=	0.1	0.5
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	2.6	=	0.1	0.5
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	10.2	=	0.1	0.5
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	9.4	=	0.1	0.5
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	11.2	=	0.1	0.5
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	3.6	=	0.1	0.5
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	12.4	=	0.1	0.5
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	3.4	=	0.1	0.5
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	6.9	=	0.1	0.5
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	13-Apr	415.1	Carbon, Total Organic (TOC)	11.3	=	0.25	0.1
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	6.1	=	0.25	0.1
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	2.5	=	0.25	0.1
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	12.0	=	0.25	0.1
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	10.2	=	0.25	0.1
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	9.7	=	0.25	0.1
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	7.8	=	0.25	0.1
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	3.2	=	0.25	0.1
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	13.1	=	0.25	0.1

NOTE: All samples collected, processed, and analyzed in 2005

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DL = Detection Limit; RL = Reporting Limit

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 2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	3.2 =	0.25	0.1
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	6.5 =	0.25	0.1
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	16.9 =	0.25	0.1
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	10.2 =	0.25	0.1
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	6.5 =	0.25	0.1
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	6.9 =	0.25	0.1
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	5.8 =	0.25	0.1
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	2.9 =	0.25	0.1
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	6.2 =	0.25	0.1
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	3.0 =	0.25	0.1
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	4.5 =	0.25	0.1
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	2.0 =	0.25	0.1
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	10.4 =	0.25	0.1
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	3.0 =	0.25	0.1
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	16.2 =	0.25	0.1
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	10.6 =	0.25	0.1
M4100	P3	Marine 1	ENV200501	K2501082-015	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.6 =	0.2	0.5
M4101	P2	Marine 1	ENV200501	K2501082-016	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4102	P2-dup	Marine 1	ENV200501	K2501082-017	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.3 =	0.2	0.5
M4103	P1	Marine 1	ENV200501	K2501082-018	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.3 =	0.2	0.5
M4104	M4	Marine 1	ENV200501	K2501082-019	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4105	M3.3	Marine 1	ENV200501	K2501082-021	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.3 =	0.2	0.5
M4106	SN12	Marine 1	ENV200501	K2501082-022	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4107	BJ-EST	Marine 1	ENV200501	K2501082-023	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.8 =	0.2	0.5
M4108	M3.1	Marine 1	ENV200501	K2501082-024	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4109	M6	Marine 1	ENV200501	K2501082-026	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4110	DY01	Marine 1	ENV200501	K2501082-027	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	0.9 =	0.2	0.5
M4112	PLO1	Marine 1	ENV200501	K2501082-028	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4113	PLO2	Marine 1	ENV200501	K2501082-029	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4114	PLO3	Marine 1	ENV200501	K2501082-030	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	1.2 =	0.2	0.5
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	8.0 =	0.1	0.5
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	4.9 =	0.1	0.5
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	4.8 =	0.1	0.5
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	6.0 =	0.1	0.5
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	7.3 =	0.1	0.5
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	6.7 =	0.1	0.5
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	6.6 =	0.1	0.5
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	5.8 =	0.1	0.5
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	25.1 =	0.1	0.5
G1108-A	WADOT-03	Gorst Rest	Storm 1	K2500540-010	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	5.1 =	0.1	0.5
G1108-B	WADOT-03	Gorst Rest	Storm 1	K2500540-011	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	5.5 =	0.1	0.5
G1108-C	WADOT-03	Gorst Rest	Storm 1	K2500540-012	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	3.6 =	0.1	0.5
G1103-A	AC-LOW	Gorst Rest	Storm 1	K2500540-013	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	1.8 =	0.1	0.5
G1103-B	AC-LOW	Gorst Rest	Storm 1	K2500540-014	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	7.7 =	0.1	0.5
G1103-C	AC-LOW	Gorst Rest	Storm 1	K2500540-015	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	6.4 =	0.1	0.5

NOTE: All samples collected, processed, and analyzed in 2005

DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

**Columbia Analytical Services**
**PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study**

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
G1104-A	GC-M	Gorst Rest	Storm 1	K2500540-016	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	1.9 =	0.1	0.5
G1104-B	GC-M	Gorst Rest	Storm 1	K2500540-017	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	5.5 =	0.1	0.5
G1104-C	GC-M	Gorst Rest	Storm 1	K2500540-018	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	4.9 =	0.1	0.5
G1105-A	WADOT-01A	Gorst Rest	Storm 1	K2500540-019	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	2.5 =	0.1	0.5
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-020	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	1.9 =	0.1	0.5
G1105-C	WADOT-01A	Gorst Rest	Storm 1	K2500540-021	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	5.7 =	0.1	0.5
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-022	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	2.0 =	0.1	0.5
G1106-B	WADOT-01B	Gorst Rest	Storm 1	K2500540-023	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	2.4 =	0.1	0.5
G1107-A	WADOT-02	Gorst Rest	Storm 1	K2500540-024	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	2.3 =	0.1	0.5
G1107-B	WADOT-02	Gorst Rest	Storm 1	K2500540-025	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	1.8 =	0.1	0.5
G1107-C	WADOT-02	Gorst Rest	Storm 1	K2500540-026	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	7.6 =	0.1	0.5
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-001	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	2.8 =	0.1	0.5
G1112-B	AC-LOW	Gorst Rest	Storm 2	K2500600-002	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	3.0 =	0.1	0.5
G1112-C	AC-LOW	Gorst Rest	Storm 2	K2500600-003	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	2.9 =	0.1	0.5
G1113-A	GC-M	Gorst Rest	Storm 2	K2500600-004	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	2.2 =	0.1	0.5
G1113-B	GC-M	Gorst Rest	Storm 2	K2500600-005	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	2.5 =	0.1	0.5
G1113-C	GC-M	Gorst Rest	Storm 2	K2500600-006	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	2.7 =	0.1	0.5
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-007	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	2.9 =	0.1	0.5
G1114-A	WADOT-01A	Gorst Rest	Storm 2	K2500600-008	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	4.5 =	0.1	0.5
G1114-B	WADOT-01A	Gorst Rest	Storm 2	K2500600-009	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	3.9 =	0.1	0.5
G1114-C	WADOT-01A	Gorst Rest	Storm 2	K2500600-010	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	3.6 =	0.1	0.5
G1116-A	WADOT-02	Gorst Rest	Storm 2	K2500600-011	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	2.8 =	0.1	0.5
G1116-B	WADOT-02	Gorst Rest	Storm 2	K2500600-012	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	5.3 =	0.1	0.5
G1116-C	WADOT-02	Gorst Rest	Storm 2	K2500600-013	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	5.8 =	0.1	0.5
G1117-A	WADOT-03	Gorst Rest	Storm 2	K2500600-014	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	4.3 =	0.1	0.5
G1117-B	WADOT-03	Gorst Rest	Storm 2	K2500600-015	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	4.9 =	0.1	0.5
G1117-C	WADOT-03	Gorst Rest	Storm 2	K2500600-016	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	4.6 =	0.1	0.5
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	18.6 =	0.1	0.5
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	6.1 =	0.1	0.5
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	2.6 =	0.1	0.5
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	2.9 =	0.1	0.5
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	6.0 =	0.1	0.5
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	6.8 =	0.1	0.5
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	5.7 =	0.1	0.5
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	3.3 =	0.1	0.5
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.3 =	0.2	0.5
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4160	DY01	Marine 2	ENV200502	K2501584-003	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4162	PL04	Marine 2	ENV200502	K2501584-004	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4163	PL05	Marine 2	ENV200502	K2501584-005	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4164	PL06	Marine 2	ENV200502	K2501584-006	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4150	P3	Marine 2	ENV200502	K2501584-025	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4151	P2	Marine 2	ENV200502	K2501584-026	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.3 =	0.2	0.5
M4152	P1	Marine 2	ENV200502	K2501584-027	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4153	M4	Marine 2	ENV200502	K2501584-028	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5

NOTE: All samples collected, processed, and analyzed in 2005

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DL = Detection Limit; RL = Reporting Limit

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 2005 Storm Water Data Report



**Columbia Analytical Services**
**PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study**

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
M4154	M4 DUP	Marine 2	ENV200502	K2501584-029	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4155	M3.3	Marine 2	ENV200502	K2501584-030	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4156	SN12	Marine 2	ENV200502	K2501584-031	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4157	BJ-EST	Marine 2	ENV200502	K2501584-032	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	1.4 =	0.2	0.5
M4200	P3	Marine 3	ENV200503	K2502085-020	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4201	P2	Marine 3	ENV200503	K2502085-021	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4202	P1	Marine 3	ENV200503	K2502085-022	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	0.9 =	0.2	0.5
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4204	M3.3	Marine 3	ENV200503	K2502085-024	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4205	SN12	Marine 3	ENV200503	K2502085-025	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4206	SN12DUP	Marine 3	ENV200503	K2502085-026	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4207	BJ-EST	Marine 3	ENV200503	K2502085-027	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4210	DY01	Marine 3	ENV200503	K2502085-030	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	0.9 =	0.2	0.5
M4212	PL07	Marine 3	ENV200503	K2502085-031	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.1 =	0.2	0.5
M4213	PL08	Marine 3	ENV200503	K2502085-032	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
M4214	PL09	Marine 3	ENV200503	K2502085-033	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	1.0 =	0.2	0.5
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	5.7 =	0.1	0.5
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	3.7 =	0.1	0.5
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	11.7 =	0.2	0.5
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	7.5 =	0.2	0.5
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	7.0 =	0.1	0.5
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	6.1 =	0.1	0.5
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	9.5 =	0.1	0.5
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	13.0 =	0.1	0.5
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	16.0 =	0.1	0.5
G1205-A	WADOT-01A	Gorst Rest	Storm 3	K2501584-016	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	6.9 =	0.1	0.5
G1205-B	WADOT-01A	Gorst Rest	Storm 3	K2501584-017	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	8.1 =	0.1	0.5
G1205-C	WADOT-01A	Gorst Rest	Storm 3	K2501584-018	1-Mar	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	3.5 =	0.1	0.5
G1207-A	WADOT-02	Gorst Rest	Storm 3	K2501584-019	28-Feb	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	13.6 =	0.1	0.5
G1207-B	WADOT-02	Gorst Rest	Storm 3	K2501584-020	28-Feb	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	8.7 =	0.1	0.5
G1207-C	WADOT-02	Gorst Rest	Storm 3	K2501584-021	1-Mar	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	8.6 =	0.1	0.5
G1208-A	WADOT-03	Gorst Rest	Storm 3	K2501584-022	28-Feb	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	4.2 =	0.1	0.5
G1208-B	WADOT-03	Gorst Rest	Storm 3	K2501584-023	28-Feb	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	3.8 =	0.1	0.5
G1208-C	WADOT-03	Gorst Rest	Storm 3	K2501584-024	1-Mar	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	4.8 =	0.1	0.5
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	8.4 =	0.1	0.25
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	5.9 =	0.1	0.25
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	5.7 =	0.1	0.25
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	4.3 =	0.1	0.25
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	6.7 =	0.1	0.25
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	3.8 =	0.1	0.25
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	17.3 =	0.1	0.25
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	18.8 =	0.1	0.25
G1214-B C	WADOT-01A	Gorst Rest	Storm 4	K2502085-009	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	4.5 =	0.1	0.25

NOTE: All samples collected, processed, and analyzed in 2005

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DL = Detection Limit; RL = Reporting Limit

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 2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
G1214-A	WADOT-01A	Gorst Rest	Storm 4	K2502085-010	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	4.8 =	0.1	0.25
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-011	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	3.6 =	0.1	0.25
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-012	20-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	4.7 =	0.1	0.25
G1214-C [	WADOT-01A	Gorst Rest	Storm 4	K2502085-013	20-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	4.7 =	0.1	0.25
G1216-A	WADOT-02	Gorst Rest	Storm 4	K2502085-014	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	5.0 =	0.1	0.25
G1216-B	WADOT-02	Sinclair	Storm 2	K2502085-015	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	2.8 =	0.1	0.25
G1216-C	WADOT-02	Sinclair	Storm 2	K2502085-016	20-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	8.9 =	0.1	0.25
G1217-A	WADOT-03	Sinclair	Storm 2	K2502085-017	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	4.6 =	0.1	0.25
G1217-B	WADOT-03	Sinclair	Storm 2	K2502085-018	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	7.5 =	0.1	0.25
G1217-C	WADOT-03	Sinclair	Storm 2	K2502085-019	20-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	6.6 =	0.1	0.25
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	3.4 =	0.1	0.25
Solids, Total												
M4250	P3	Marine 4	ENV200504	K2502263-001	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	31400 =		
M4251	P2	Marine 4	ENV200504	K2502263-002	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	26800 =		
M4252	P1	Marine 4	ENV200504	K2502263-003	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	31400 =		
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	33500 =		
M4254	M3.3	Marine 4	ENV200504	K2502263-005	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	33300 =		
M4255	SN12	Marine 4	ENV200504	K2502263-006	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	32800 =		
M4256	BJ-EST	Marine 4	ENV200504	K2502263-007	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	30700 =		
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	31900 =		
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	31000 =		
M4259	M6	Marine 4	ENV200504	K2502263-010	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	32800 =		
M4260	DY01	Marine 4	ENV200504	K2502263-011	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	33500 =		
M4262	PL10	Marine 4	ENV200504	K2502263-012	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	29600 =		
M4263	PL11	Marine 4	ENV200504	K2502263-013	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	32500 =		
M4264	PL12	Marine 4	ENV200504	K2502263-014	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	32600 =		
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	2-Apr	160.3	Solids, Total	276 =		
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	76 =		
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	50 =		
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	217 =		
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	125 =		
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	132 =		
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	75 =		
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	105 =		
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	43 =		
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	65 =		
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	14-Apr	160.3	Solids, Total	134 =		
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	6-Apr	160.3	Solids, Total	62 =		
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	6-Apr	160.3	Solids, Total	65 =		
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	118 =		
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	131 =		
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	119 =		
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	117 =		
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	75 =		

NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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**Columbia Analytical Services**
**PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study**

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		DL	RL
										Result	Notes		
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	93	=		
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	7-Apr	160.3	Solids, Total	38	=		
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	6-Apr	160.3	Solids, Total	80	=		
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	7-Apr	160.3	Solids, Total	352	=		
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	119	=		
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	130	=		
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	122	=		
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	127	=		
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	64	=		
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	160	=		
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	3530	=		
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	82	=		
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	88	=		
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	79	=		
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	103	=		
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	68	=		
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	1740	=		
M4100	P3	Marine 1	ENV200501	K2501082-001	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	30800	=		
M4101	P2	Marine 1	ENV200501	K2501082-002	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	31900	=		
M4102	P2-dup	Marine 1	ENV200501	K2501082-003	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	31500	=		
M4103	P1	Marine 1	ENV200501	K2501082-004	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	31000	=		
M4104	M4	Marine 1	ENV200501	K2501082-005	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	30900	=		
M4105	M3.3	Marine 1	ENV200501	K2501082-006	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	29200	=		
M4106	SN12	Marine 1	ENV200501	K2501082-007	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	30000	=		
M4107	BJ-EST	Marine 1	ENV200501	K2501082-008	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	26800	=		
M4108	M3.1	Marine 1	ENV200501	K2501082-009	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	30100	=		
M4109	M6	Marine 1	ENV200501	K2501082-010	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	29500	=		
M4110	DY01	Marine 1	ENV200501	K2501082-011	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	33000	=		
M4112	PLO1	Marine 1	ENV200501	K2501082-012	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	32300	=		
M4113	PLO2	Marine 1	ENV200501	K2501082-013	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	31600	=		
M4114	PLO3	Marine 1	ENV200501	K2501082-014	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	31300	=		
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	218	=		
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	24-Jan	160.3	Solids, Total	197	=		
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	127	=		
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	167	=		
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	193	=		
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	184	=		
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	139	=		
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	120	=		
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	24-Jan	160.3	Solids, Total	368	=		
G1108-A	WADOT-03	Gorst Rest	Storm 1	K2500540-010	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	117	=		
G1108-B	WADOT-03	Gorst Rest	Storm 1	K2500540-011	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	292	=		
G1108-C	WADOT-03	Gorst Rest	Storm 1	K2500540-012	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	144	=		
G1103-A	AC-LOW	Gorst Rest	Storm 1	K2500540-013	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	94	=		
G1103-B	AC-LOW	Gorst Rest	Storm 1	K2500540-014	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	381	=		

 NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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 2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		DL	RL
										Result	Notes		
G1103-C	AC-LOW	Gorst Rest	Storm 1	K2500540-015	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	123	=		
G1104-A	GC-M	Gorst Rest	Storm 1	K2500540-016	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	99	=		
G1104-B	GC-M	Gorst Rest	Storm 1	K2500540-017	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	132	=		
G1104-C	GC-M	Gorst Rest	Storm 1	K2500540-018	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	128	=		
G1105-A	WADOT-01A	Gorst Rest	Storm 1	K2500540-019	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	268	=		
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-020	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	264	=		
G1105-C	WADOT-01A	Gorst Rest	Storm 1	K2500540-021	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	452	=		
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-022	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	281	=		
G1106-B	WADOT-01B	Gorst Rest	Storm 1	K2500540-023	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	55	=		
G1107-A	WADOT-02	Gorst Rest	Storm 1	K2500540-024	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	188	=		
G1107-B	WADOT-02	Gorst Rest	Storm 1	K2500540-025	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	460	=		
G1107-C	WADOT-02	Gorst Rest	Storm 1	K2500540-026	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	147	=		
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-001	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	72	=		
G1112-B	AC-LOW	Gorst Rest	Storm 2	K2500600-002	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	72	=		
G1112-C	AC-LOW	Gorst Rest	Storm 2	K2500600-003	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	71	=		
G1113-A	GC-M	Gorst Rest	Storm 2	K2500600-004	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	89	=		
G1113-B	GC-M	Gorst Rest	Storm 2	K2500600-005	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	75	=		
G1113-C	GC-M	Gorst Rest	Storm 2	K2500600-006	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	74	=		
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-007	22-Jan	25-Jan	9-Feb	160.3	Solids, Total	71	=, X		
G1114-A	WADOT-01A	Gorst Rest	Storm 2	K2500600-008	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	286	=		
G1114-B	WADOT-01A	Gorst Rest	Storm 2	K2500600-009	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	452	=		
G1114-C	WADOT-01A	Gorst Rest	Storm 2	K2500600-010	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	712	=		
G1116-A	WADOT-02	Gorst Rest	Storm 2	K2500600-011	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	145	=		
G1116-B	WADOT-02	Gorst Rest	Storm 2	K2500600-012	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	374	=		
G1116-C	WADOT-02	Gorst Rest	Storm 2	K2500600-013	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	210	=		
G1117-A	WADOT-03	Gorst Rest	Storm 2	K2500600-014	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	179	=		
G1117-B	WADOT-03	Gorst Rest	Storm 2	K2500600-015	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	106	=		
G1117-C	WADOT-03	Gorst Rest	Storm 2	K2500600-016	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	106	=		
G1110	KAR-VWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	304	=		
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	117	=		
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	93	=		
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	84	=		
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	114	=		
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	101	=		
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	85	=		
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	68	=		
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	31200	=		
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	34300	=		
M4160	DY01	Marine 2	ENV200502	K2501584-003	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	31700	=		
M4162	PL04	Marine 2	ENV200502	K2501584-004	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	33200	=		
M4163	PL05	Marine 2	ENV200502	K2501584-005	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	27900	=		
M4164	PL06	Marine 2	ENV200502	K2501584-006	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	31400	=		
M4150	P3	Marine 2	ENV200502	K2501584-025	2-Mar	4-Mar	5-Mar	160.3	Solids, Total	32500	=		
M4151	P2	Marine 2	ENV200502	K2501584-026	2-Mar	4-Mar	5-Mar	160.3	Solids, Total	30300	=		
M4152	P1	Marine 2	ENV200502	K2501584-027	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	31100	=		

NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

**Columbia Analytical Services**
**PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study**

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result			DL	RL
										Result	Notes			
M4153	M4	Marine 2	ENV200502	K2501584-028	2-Mar	4-Mar	5-Mar	160.3	Solids, Total	31000	=			
M4154	M4 DUP	Marine 2	ENV200502	K2501584-029	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	31100	=			
M4155	M3.3	Marine 2	ENV200502	K2501584-030	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	31200	=			
M4156	SN12	Marine 2	ENV200502	K2501584-031	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	31000	=			
M4157	BJ-EST	Marine 2	ENV200502	K2501584-032	2-Mar	4-Mar	9-Mar	160.3	Solids, Total	30200	=			
M4200	P3	Marine 3	ENV200503	K2502085-020	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	26700	=			
M4201	P2	Marine 3	ENV200503	K2502085-021	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	28500	=			
M4202	P1	Marine 3	ENV200503	K2502085-022	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	30400	=			
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	32100	=			
M4204	M3.3	Marine 3	ENV200503	K2502085-024	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	32600	=			
M4205	SN12	Marine 3	ENV200503	K2502085-025	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	31700	=			
M4206	SN12DUP	Marine 3	ENV200503	K2502085-026	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	30600	=			
M4207	BJ-EST	Marine 3	ENV200503	K2502085-027	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	28500	=			
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	31200	=			
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	27900	=			
M4210	DY01	Marine 3	ENV200503	K2502085-030	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	28500	=			
M4212	PL07	Marine 3	ENV200503	K2502085-031	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	30600	=			
M4213	PL08	Marine 3	ENV200503	K2502085-032	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	27100	=			
M4214	PL09	Marine 3	ENV200503	K2502085-033	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	25000	=			
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	101	=			
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	188	=			
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	123	=			
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	141	=			
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	153	=			
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	12700	=			
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	125	=			
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	5-Mar	160.3	Solids, Total	2220	=			
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	8-Mar	160.3	Solids, Total	328	=			
G1205-A	WADOT-01A	Gorst Rest	Storm 3	K2501584-016	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	876	=			
G1205-B	WADOT-01A	Gorst Rest	Storm 3	K2501584-017	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	219	=			
G1205-C	WADOT-01A	Gorst Rest	Storm 3	K2501584-018	1-Mar	4-Mar	8-Mar	160.3	Solids, Total	1070	=			
G1207-A	WADOT-02	Gorst Rest	Storm 3	K2501584-019	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	133	=			
G1207-B	WADOT-02	Gorst Rest	Storm 3	K2501584-020	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	229	=			
G1207-C	WADOT-02	Gorst Rest	Storm 3	K2501584-021	1-Mar	4-Mar	5-Mar	160.3	Solids, Total	98	=			
G1208-A	WADOT-03	Gorst Rest	Storm 3	K2501584-022	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	123	=			
G1208-B	WADOT-03	Gorst Rest	Storm 3	K2501584-023	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	136	=			
G1208-C	WADOT-03	Gorst Rest	Storm 3	K2501584-024	1-Mar	4-Mar	5-Mar	160.3	Solids, Total	111	=			
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	126	=			
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	268	=			
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	89	=			
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	111	=			
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	2840	=			
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	13200	=			
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	1020	=			
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	348	=			

 NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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 2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result			
										Result	Notes	DL	RL
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-009	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	318	=		
G1214-A	WADOT-01A	Gorst Rest	Storm 4	K2502085-010	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	244	=		
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-011	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	344	=		
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-012	20-Mar	23-Mar	25-Mar	160.3	Solids, Total	732	=		
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-013	20-Mar	23-Mar	25-Mar	160.3	Solids, Total	760	=		
G1216-A	WADOT-02	Gorst Rest	Storm 4	K2502085-014	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	275	=		
G1216-B	WADOT-02	Sinclair	Storm 2	K2502085-015	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	201	=		
G1216-C	WADOT-02	Sinclair	Storm 2	K2502085-016	20-Mar	23-Mar	25-Mar	160.3	Solids, Total	165	=		
G1217-A	WADOT-03	Sinclair	Storm 2	K2502085-017	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	241	=		
G1217-B	WADOT-03	Sinclair	Storm 2	K2502085-018	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	312	=		
G1217-C	WADOT-03	Sinclair	Storm 2	K2502085-019	20-Mar	23-Mar	25-Mar	160.3	Solids, Total	121	=		
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	89	=		
Solids, Total Suspended (TSS)													
M4250	P3	Marine 4	ENV200504	K2502263-001	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	1	=	1	1
M4251	P2	Marine 4	ENV200504	K2502263-002	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	2	=	1	1
M4252	P1	Marine 4	ENV200504	K2502263-003	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	2	=	1	1
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	2	=	1	1
M4254	M3.3	Marine 4	ENV200504	K2502263-005	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	2	=	1	1
M4255	SN12	Marine 4	ENV200504	K2502263-006	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	1	=	1	1
M4256	BJ-EST	Marine 4	ENV200504	K2502263-007	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	5	=	1	1
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	1	=	1	1
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	1	=	1	1
M4259	M6	Marine 4	ENV200504	K2502263-010	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	1	=	1	1
M4260	DY01	Marine 4	ENV200504	K2502263-011	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	2	=	1	1
M4262	PL10	Marine 4	ENV200504	K2502263-012	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	4	=	1	1
M4263	PL11	Marine 4	ENV200504	K2502263-013	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	1	=	1	1
M4264	PL12	Marine 4	ENV200504	K2502263-014	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	2	=	1	1
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	9	=	4	4
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	30	=	2	2
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	28	=	2	2
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	16	=	3	3
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	26	=	2	2
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	41	=	3	3
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	19	=	2	2
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	122	=	2	2
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	28	=	2	2
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	16	=	3	3
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	14-Apr	160.2	Solids, Total Suspended (TSS)	21	=	2	2
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	15	=	2	2
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	16	=	2	2
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	24	=	3	3
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	47	=	2	2
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	22	=	2	2
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	46	=	2	2

NOTE: All samples collected, processed, and analyzed in 2005  
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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	8 =	2	2
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	26 =	4	4
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	9 =	2	2
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	10 =	2	2
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	104 =	20	20
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	8 =	2	2
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	6 =	2	2
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	7 =	2	2
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	2 =	1	1
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	4 =	2	2
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	3 =	1	1
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	253 =	13	13
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	2 =	2	2
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	2 =	1	1
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	4 =	2	2
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	6 =	1	1
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	26 =	4	4
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	3 =	2	2
M4100	P3	Marine 1	ENV200501	K2501082-001	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4101	P2	Marine 1	ENV200501	K2501082-002	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4102	P2-dup	Marine 1	ENV200501	K2501082-003	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4103	P1	Marine 1	ENV200501	K2501082-004	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4104	M4	Marine 1	ENV200501	K2501082-005	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4105	M3.3	Marine 1	ENV200501	K2501082-006	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4106	SN12	Marine 1	ENV200501	K2501082-007	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4107	BJ-EST	Marine 1	ENV200501	K2501082-008	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4108	M3.1	Marine 1	ENV200501	K2501082-009	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4109	M6	Marine 1	ENV200501	K2501082-010	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4110	DY01	Marine 1	ENV200501	K2501082-011	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	6 =	5	5
M4112	PLO1	Marine 1	ENV200501	K2501082-012	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4113	PLO2	Marine 1	ENV200501	K2501082-013	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
M4114	PLO3	Marine 1	ENV200501	K2501082-014	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	ND ND	5	5
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	153 =	5	5
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	107 =	5	5
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	63 =	5	5
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	88 =	5	5
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	92 =	5	5
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	113 =	5	5
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	87 =	5	5
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	59 =	5	5
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	82 =	5	5
G1108-A	WADOT-03	Gorst Rest	Storm 1	K2500540-010	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	31 =	5	5
G1108-B	WADOT-03	Gorst Rest	Storm 1	K2500540-011	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	250 =	5	5
G1108-C	WADOT-03	Gorst Rest	Storm 1	K2500540-012	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	121 =	5	5
G1103-A	AC-LOW	Gorst Rest	Storm 1	K2500540-013	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	6 =	5	5

NOTE: All samples collected, processed, and analyzed in 2005

DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		DL	RL
										Result	Notes		
G1103-B	AC-LOW	Gorst Rest	Storm 1	K2500540-014	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	323 =		5	5
G1103-C	AC-LOW	Gorst Rest	Storm 1	K2500540-015	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	45 =		5	5
G1104-A	GC-M	Gorst Rest	Storm 1	K2500540-016	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	7 =		5	5
G1104-B	GC-M	Gorst Rest	Storm 1	K2500540-017	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	56 =		5	5
G1104-C	GC-M	Gorst Rest	Storm 1	K2500540-018	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	58 =		5	5
G1105-A	WADOT-01A	Gorst Rest	Storm 1	K2500540-019	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	77 =		5	5
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-020	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	212 =		5	5
G1105-C	WADOT-01A	Gorst Rest	Storm 1	K2500540-021	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	9 =		5	5
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-022	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	221 =		5	5
G1106-B	WADOT-01B	Gorst Rest	Storm 1	K2500540-023	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	32 =		5	5
G1107-A	WADOT-02	Gorst Rest	Storm 1	K2500540-024	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	167 =		5	5
G1107-B	WADOT-02	Gorst Rest	Storm 1	K2500540-025	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	486 =		5	5
G1107-C	WADOT-02	Gorst Rest	Storm 1	K2500540-026	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	50 =		5	5
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-001	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	6 =		5	5
G1112-B	AC-LOW	Gorst Rest	Storm 2	K2500600-002	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	9 =		5	5
G1112-C	AC-LOW	Gorst Rest	Storm 2	K2500600-003	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	ND	ND	5	5
G1113-A	GC-M	Gorst Rest	Storm 2	K2500600-004	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	7 =		5	5
G1113-B	GC-M	Gorst Rest	Storm 2	K2500600-005	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	5 =		5	5
G1113-C	GC-M	Gorst Rest	Storm 2	K2500600-006	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	ND	ND	5	5
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-007	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	6 =		5	5
G1114-A	WADOT-01A	Gorst Rest	Storm 2	K2500600-008	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	36 =		5	5
G1114-B	WADOT-01A	Gorst Rest	Storm 2	K2500600-009	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	41 =		5	5
G1114-C	WADOT-01A	Gorst Rest	Storm 2	K2500600-010	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	6 =		5	5
G1116-A	WADOT-02	Gorst Rest	Storm 2	K2500600-011	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	130 =		5	5
G1116-B	WADOT-02	Gorst Rest	Storm 2	K2500600-012	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	330 =		5	5
G1116-C	WADOT-02	Gorst Rest	Storm 2	K2500600-013	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	191 =		5	5
G1117-A	WADOT-03	Gorst Rest	Storm 2	K2500600-014	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	123 =		5	5
G1117-B	WADOT-03	Gorst Rest	Storm 2	K2500600-015	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	35 =		5	5
G1117-C	WADOT-03	Gorst Rest	Storm 2	K2500600-016	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	10 =		5	5
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	14 =		5	5
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	8 =		5	5
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	11 =		5	5
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	8 =		5	5
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	8 =		5	5
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	8 =		5	5
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	6 =		5	5
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	ND	ND	5	5
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND	2	2
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND	2	2
M4160	DY01	Marine 2	ENV200502	K2501584-003	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND	2	2
M4162	PL04	Marine 2	ENV200502	K2501584-004	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND	2	2
M4163	PL05	Marine 2	ENV200502	K2501584-005	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	2 =		2	2
M4164	PL06	Marine 2	ENV200502	K2501584-006	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	4 =		2	2
M4150	P3	Marine 2	ENV200502	K2501584-025	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND	2	2
M4151	P2	Marine 2	ENV200502	K2501584-026	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND	2	2

NOTE: All samples collected, processed, and analyzed in 2005

DL = Detection Limit; RL = Reporting Limit

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result			DL	RL
										Result	Notes			
M4152	P1	Marine 2	ENV200502	K2501584-027	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4153	M4	Marine 2	ENV200502	K2501584-028	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4154	M4 DUP	Marine 2	ENV200502	K2501584-029	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4155	M3.3	Marine 2	ENV200502	K2501584-030	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	2 =			2	2
M4156	SN12	Marine 2	ENV200502	K2501584-031	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4157	BJ-EST	Marine 2	ENV200502	K2501584-032	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	2 =			2	2
M4200	P3	Marine 3	ENV200503	K2502085-020	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4201	P2	Marine 3	ENV200503	K2502085-021	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4202	P1	Marine 3	ENV200503	K2502085-022	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4204	M3.3	Marine 3	ENV200503	K2502085-024	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4205	SN12	Marine 3	ENV200503	K2502085-025	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4206	SN12DUP	Marine 3	ENV200503	K2502085-026	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	3 =			2	2
M4207	BJ-EST	Marine 3	ENV200503	K2502085-027	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	7 =			2	2
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	2 =			2	2
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4210	DY01	Marine 3	ENV200503	K2502085-030	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4212	PL07	Marine 3	ENV200503	K2502085-031	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	ND	ND		2	2
M4213	PL08	Marine 3	ENV200503	K2502085-032	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	3 =			2	2
M4214	PL09	Marine 3	ENV200503	K2502085-033	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	5 =			2	2
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	7 =			4	4
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	59 =			4	4
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	81 =			5	5
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	75 =			7	7
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	26 =			5	5
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	8 =			3	3
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	17 =			4	4
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	2 =			2	2
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	8 =			4	4
G1205-A	WADOT-01A	Gorst Rest	Storm 3	K2501584-016	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	80 =			10	10
G1205-B	WADOT-01A	Gorst Rest	Storm 3	K2501584-017	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	139 =			10	10
G1205-C	WADOT-01A	Gorst Rest	Storm 3	K2501584-018	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	11 =			5	5
G1207-A	WADOT-02	Gorst Rest	Storm 3	K2501584-019	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	55 =			10	10
G1207-B	WADOT-02	Gorst Rest	Storm 3	K2501584-020	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	182 =			20	20
G1207-C	WADOT-02	Gorst Rest	Storm 3	K2501584-021	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	36 =			8	8
G1208-A	WADOT-03	Gorst Rest	Storm 3	K2501584-022	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	37 =			5	5
G1208-B	WADOT-03	Gorst Rest	Storm 3	K2501584-023	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	19 =			5	5
G1208-C	WADOT-03	Gorst Rest	Storm 3	K2501584-024	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	10 =			5	5
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	19 =			2	2
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	151 =			4	4
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	49 =			3	3
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	51 =			4	4
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	34 =			4	4
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	8 =			3	3
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	36 =			4	4

NOTE: All samples collected, processed, and analyzed in 2005

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DL = Detection Limit; RL = Reporting Limit

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2005 Storm Water Data Report

**Columbia Analytical Services**

**PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study**

Conventional in Water, Field Sample Results

Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result		
										Result	Notes	DL
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	12 =	4	4
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-009	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	36 =	4	4
G1214-A	WADOT-01A	Gorst Rest	Storm 4	K2502085-010	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	103 =	4	4
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-011	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	33 =	4	4
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-012	20-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	10 =	3	3
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-013	20-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	10 =	3	3
G1216-A	WADOT-02	Gorst Rest	Storm 4	K2502085-014	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	138 =	5	5
G1216-B	WADOT-02	Sinclair	Storm 2	K2502085-015	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	172 =	4	4
G1216-C	WADOT-02	Sinclair	Storm 2	K2502085-016	20-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	130 =	4	4
G1217-A	WADOT-03	Sinclair	Storm 2	K2502085-017	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	206 =	10	10
G1217-B	WADOT-03	Sinclair	Storm 2	K2502085-018	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	223 =	10	10
G1217-C	WADOT-03	Sinclair	Storm 2	K2502085-019	20-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	26 =	4	4
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	205 =	25	25

# QC Sample Results: 2005 Storm Water Conventionals

(Listed based on Analytical Batch ID)

- 
- K2500540, Gorst 1
  - K2500600, Gorst 2
  - K2501082, ENV200501
  - K2501584, Sinclair 1,  
ENV200502
  - K2502085, Sinclair 2,  
ENV200503
  - K2502197, Dyes 1
  - K2502263, ENV200504
  - K2502392, Dyes 2, Baseflow 05
  - K2502680, Dyes 1 Make-up

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*Sinclair – Dyes Inlet Storm Water Conventionals Data Report, 2005*

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventionals in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
<b>QC Batch ID: K2500540</b>													
G1101	K2500540-009DUP	27-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	148 =				148	<1
Laboratory Control Sample	K2500540-LCS	27-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	50 =	49	102	85-115		
Method Blank	K2500540-MB	27-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	ND ND					
T1100	K2500540-001DUP	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	7.6 =				7.5	4
T1100	K2500540-001MS	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	31.2 =	25.0	96	76-121		
G1105-C	K2500540-021DUP	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	5.6 =				5.7	2
G1105-C	K2500540-021MS	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	31.3 =	25.0	102	76-121		
Laboratory Control Sample	K2500540-LCS	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	30.2 =	30.1	100	92-106		
Laboratory Control Sample	K2500540-LCS	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	30.5 =	30.1	101	92-106		
Method Blank	K2500540-MB	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	ND ND					
Method Blank	K2500540-MB	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	ND ND					
T1100	K2500540-001DUP	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	40 =				39	5
Laboratory Control Sample	K2500540-LCS	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	37 =	34	109	85-115		
Method Blank	K2500540-MB	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	ND ND					
T1100	K2500540-001DUP	31-Jan	350.1	Ammonia as Nitrogen	1	0.004	0.01	0.04 =				0.05	20
T1100	K2500540-001MS	31-Jan	350.1	Ammonia as Nitrogen	1	0.004	0.01	0.28 =	0.25	92	90-110		
Laboratory Control Sample	K2500540-LCS	31-Jan	350.1	Ammonia as Nitrogen	10	0.04	0.1	3.8 =	3.9	97	90-110		
Method Blank	K2500540-MB	31-Jan	350.1	Ammonia as Nitrogen	1	0.004	0.01	ND ND					
T1100	K2500540-001DUP	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	1.48 =				1.50	2
T1100	K2500540-001MS	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	3.87 =	2.50	94	90-110		
Laboratory Control Sample	K2500540-LCS	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	3.27 =	3.40	96	90-110		
Method Blank	K2500540-MB	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	ND ND					
T1100	K2500540-001DUP	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	1.4 =				1.5	13
T1100	K2500540-001MS	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	19.9 =	20.0	92	75-125		
Laboratory Control Sample	K2500540-LCS	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	5.5 =	6.0	92	85-115		
Method Blank	K2500540-MB	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	ND ND					
T1100	K2500540-001DUP	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	8.2 =				8.1	2
T1100	K2500540-001MS	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	28.5 =	25.0	82	76-121		
G1105-C	K2500540-021DUP	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	6.0 =				5.9	5
G1105-C	K2500540-021MS	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	29.7 =	25.0	96	76-121		
Laboratory Control Sample	K2500540-LCS	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	28.8 =	30.1	96	92-106		
Laboratory Control Sample	K2500540-LCS	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	29.1 =	30.1	97	92-106		
Method Blank	K2500540-MB	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	ND ND					
Method Blank	K2500540-MB	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	ND ND					
T1100	K2500540-001DUP	26-Jan	365.3	Phosphorus, Total	1	0.005	0.01	0.25 =				0.25	4
T1100	K2500540-001MS	26-Jan	365.3	Phosphorus, Total	2	0.01	0.01	0.78 =	0.50	108	76-118		
Laboratory Control Sample	K2500540-LCS	26-Jan	365.3	Phosphorus, Total	1	0.005	0.01	3.10 =	3.29	94	94-108		
Method Blank	K2500540-MB	26-Jan	365.3	Phosphorus, Total	1	0.005	0.01	ND ND					
T1100	K2500540-001DUP	24-Jan	160.3	Solids, Total	1			237 =				228	8
T1104	K2500540-005DUP	24-Jan	160.3	Solids, Total	1			196 =				195	2
G1101	K2500540-009DUP	24-Jan	160.3	Solids, Total	1			348 =				358	6
Laboratory Control Sample	K2500540-LCS	24-Jan	160.3	Solids, Total	1			1180 =	1190	99	85-115		
Laboratory Control Sample	K2500540-LCS	24-Jan	160.3	Solids, Total	1			1190 =	1190	100	85-115		

NOTE: All samples collected, processed, and analyzed in 2005

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
Method Blank	K2500540-MB	24-Jan	160.3	Solids, Total	1			ND ND					
Method Blank	K2500540-MB	24-Jan	160.3	Solids, Total	1			ND ND					
T1100	K2500540-001DUP	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	153 =				153	<1
T1104	K2500540-005DUP	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	99 =				96	7
G1101	K2500540-009DUP	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	77 =				80	6
Laboratory Control Sample	K2500540-LCS	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	228 =	256	89	85-115		
Laboratory Control Sample	K2500540-LCS	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	225 =	256	88	85-115		
Method Blank	K2500540-MB	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	ND ND					
Method Blank	K2500540-MB	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	ND ND					

NOTE: All samples collected, processed, and analyzed in 2005

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
<b>QC Batch ID: K2500600</b>													
T1108	K2500600-019DUP	29-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	48 =				48	<1
Laboratory Control Sample	K2500600-LCS1	2-Feb	310.1	Alkalinity, Total as CaCO3	1	1	2	50 =	49	102	85-115		
Laboratory Control Sample	K2500600-LCS2	2-Feb	310.1	Alkalinity, Total as CaCO3	1	1	2	50 =	49	102	85-115		
Method Blank	K2500600-MB	29-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	ND ND					
Method Blank	K2500600-MB	2-Feb	310.1	Alkalinity, Total as CaCO3	1	1	2	ND ND					
G1112-A	K2500600-001DUP	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	2.9 =				2.9	<1
G1112-A	K2500600-001MS	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	28.3 =	25.0	102	76-121		
T1111	K2500600-021DUP	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.07	0.5	5.7 =				5.6	5
T1111	K2500600-021MS	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.07	0.5	30.7 =	25.0	101	76-121		
Laboratory Control Sample	K2500600-LCS1	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.07	0.5	30.5 =	30.1	101	92-106		
Laboratory Control Sample	K2500600-LCS2	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.07	0.5	30.5 =	30.1	101	92-106		
Method Blank	K2500600-MB	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	ND ND					
Method Blank	K2500600-MB	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	ND ND					
Laboratory Control Sample	K2500600-LCS	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	37 =	34	109	85-115		
Method Blank	K2500600-MB	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	ND ND					
Laboratory Control Sample	K2500600-LCS	31-Jan	350.1	Ammonia as Nitrogen	10	0.04	0.1	3.8 =	3.9	97	90-110		
Method Blank	K2500600-MB	31-Jan	350.1	Ammonia as Nitrogen	1	0.004	0.01	ND ND					
Laboratory Control Sample	K2500600-LCS	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	3.27 =	3.40	96	90-110		
Method Blank	K2500600-MB	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	ND ND					
G1110	K2500600-017DUP	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	25	1.8	3.0	34.1 =				35.5	8
G1110	K2500600-017MS	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	25	1.8	3.0	54.2 =	20.0	87	75-125		
Laboratory Control Sample	K2500600-LCS	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	5.6 =	6.0	93	85-115		
Method Blank	K2500600-MB	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	ND ND					
G1112-A	K2500600-001DUP	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	2.8 =				2.8	<1
G1112-A	K2500600-001MS	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	27.8 =	25.0	100	76-121		
T1111	K2500600-021DUP	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	6.1 =				6.1	2
T1111	K2500600-021MS	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	28.0 =	25.0	88	76-121		
Laboratory Control Sample	K2500600-LCS	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	30.5 =	30.1	101	92-106		
Laboratory Control Sample	K2500600-LCS	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	30.2 =	30.1	100	92-106		
Method Blank	K2500600-MB	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	ND ND					
Method Blank	K2500600-MB	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	ND ND					
G1110	K2500600-017DUP	27-Jan	365.3	Phosphorus, Total	10	0.05	0.1	3.8 =				3.8	<1
G1110	K2500600-017MS	27-Jan	365.3	Phosphorus, Total	10	0.05	0.1	4.2 =	0.5	80	76-118		
Laboratory Control Sample	K2500600-LCS	27-Jan	365.3	Phosphorus, Total	1	0.005	0.01	3.08 =	3.29	94	94-108		
Method Blank	K2500600-MB	27-Jan	365.3	Phosphorus, Total	1	0.005	0.01	ND ND					
G1112-A	K2500600-001DUP	27-Jan	160.3	Solids, Total	1			65 =				69	10
G1112-A DUP 1	K2500600-007DUP	9-Feb	160.3	Solids, Total	1			65 =				68	9
G1116-B	K2500600-012DUP	27-Jan	160.3	Solids, Total	1			366 =				370	2
G1117-A	K2500600-014DUP	28-Jan	160.3	Solids, Total	1			204 =				192	13
T1115	K2500600-024DUP	28-Jan	160.3	Solids, Total	1			73 =				71	7
Laboratory Control Sample	K2500600-LCS3	9-Feb	160.3	Solids, Total	1			916 =	951	96	85-115		
Laboratory Control Sample	K2500600-LCS2	28-Jan	160.3	Solids, Total	1			848 =	853	99	85-115		
Laboratory Control Sample	K2500600-LCS1	27-Jan	160.3	Solids, Total	1			848 =	853	99	85-115		

NOTE: All samples collected, processed, and analyzed in 2005

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
Method Blank	K2500600-MB	27-Jan	160.3	Solids, Total	1			ND ND					
Method Blank	K2500600-MB	9-Feb	160.3	Solids, Total	1			ND ND					
Method Blank	K2500600-MB	28-Jan	160.3	Solids, Total	1			ND ND					
G1112-A	K2500600-001DUP	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	6 =				6	<1
G1116-B	K2500600-012DUP	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	353 =				342	7
T1109	K2500600-020DUP	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	8 =				8	<1
Laboratory Control Sample	K2500600-LCS2	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	234 =	256	91	85-115		
Laboratory Control Sample	K2500600-LCS1	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	255 =	256	100	85-115		
Method Blank	K2500600-MB	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	ND ND					
Method Blank	K2500600-MB	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	ND ND					

NOTE: All samples collected, processed, and analyzed in 2005

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
<b>QC Batch ID: K2501082</b>													
M4100	K2501082-015DUP	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	1.1 =				1.1	9
M4100	K2501082-015MS	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	33.0 =, *	25.0	64	68-132		
Lab Control Sample	K2501082-LCS	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	26.7 =, *	30.1	89	90-109		
Method Blank	K2501082-MB	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	ND ND					
M4104NUTSHG	K2501082-020DUP	17-Feb	350.1	Ammonia as Nitrogen	1	0.004	0.01	0.10 =				0.10	<1
M4104NUTSHG	K2501082-020MS	17-Feb	350.1	Ammonia as Nitrogen	1	0.004	0.01	0.33 =	2.50	92	90-110		
Lab Control Sample	K2501082-LCS	17-Feb	350.1	Ammonia as Nitrogen	10	0.04	0.1	3.7 =	3.9	95	90-110		
Method Blank	K2501082-MB	17-Feb	350.1	Ammonia as Nitrogen	1	0.004	0.01	ND ND					
M4104NUTSHG	K2501082-020DUP	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	0.38 =				0.38	<1
M4104NUTSHG	K2501082-020MS	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	2.84 =	2.50	98	90-110		
Lab Control Sample	K2501082-LCS	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	3.27 =	3.40	96	90-110		
Method Blank	K2501082-MB	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	ND ND					
M4104NUTSHG	K2501082-020DUP	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	0.7 =				0.7	14
M4104NUTSHG	K2501082-020MS	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	17.0 =	20.0	82	75-125		
Method Blank	K2501082-MB	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	ND ND					
M4100	K2501082-015DUP	23-Feb	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	1.4 =				1.5	13
M4100	K2501082-015MS	23-Feb	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	2.4 =, *	25.0	3	68-132		
Lab Control Sample	K2501082-LCS	23-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	27.3 =	29.5	91	90-109		
Method Blank	K2501082-MB	23-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	ND ND					
M4104NUTSHG	K2501082-020DUP	14-Feb	365.3	Phosphorus, Total	1	0.005	0.01	0.09 =				0.09	11
M4104NUTSHG	K2501082-020MS	14-Feb	365.3	Phosphorus, Total	1	0.005	0.01	0.54 =	0.50	92	76-118		
Lab Control Sample	K2501082-LCS	14-Feb	365.3	Phosphorus, Total	1	0.005	0.01	3.07 =	3.29	93	94-108		
Method Blank	K2501082-MB	14-Feb	365.3	Phosphorus, Total	1	0.005	0.01	ND ND					
M4100-TS	K2501082-001DUP	12-Feb	160.3	Solids, Total	1			31600 =				31200	3
M4112-TS	K2501082-012DUP	12-Feb	160.3	Solids, Total	1			30300 =				31300	6
Lab Control Sample	K2501082-LCS	12-Feb	160.3	Solids, Total	1			936 =	951	98	85-115		
Method Blank	K2501082-MB	12-Feb	160.3	Solids, Total	1			ND ND					
M4100-TS	K2501082-001DUP	12-Feb	160.2	Solids, Total Suspended (TSS)	1	5	5	ND ND				ND	
M4114-TS	K2501082-014DUP	12-Feb	160.2	Solids, Total Suspended (TSS)	1	5	5	ND ND				ND	
Lab Control Sample	K2501082-LCS	12-Feb	160.2	Solids, Total Suspended (TSS)	1	5	5	238 =	249	96	85-115		
Method Blank	K2501082-MB	12-Feb	160.2	Solids, Total Suspended (TSS)	1	5	5	ND ND					

NOTE: All samples collected, processed, and analyzed in 2005

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
<b>QC Batch ID: K2501584</b>													
T1200	K2501584-007DUP	14-Mar	310.1	Alkalinity, Total as CaCO3	1	1	2	44 =				44	2
Laboratory Control Sample	K2501584-LCS	14-Mar	310.1	Alkalinity, Total as CaCO3	1	1	2	46 =	49	94	85-115		
Method Blank	K2501584-MB	14-Mar	310.1	Alkalinity, Total as CaCO3	1	1	2	ND ND					
M4158	K2501584-001DUP	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	1.2 =				1.2	<1
M4158	K2501584-001MS	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	26.9 =	25.0	103	76-121		
T1201	K2501584-008DUP	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	3.2 =				3.2	<1
T1201	K2501584-008MS	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	28.3 =	25.0	100	76-121		
Laboratory Control Sample	K2501584-LCS	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	29.9 =	30.1	99	92-106		
Laboratory Control Sample	K2501584-LCS	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	27.8 =	30.1	92	92-106		
Method Blank	K2501584-MB	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	ND ND					
Method Blank	K2501584-MB	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	ND ND					
T1200	K2501584-007DUP	11-Mar	130.2	Hardness as CaCO3	1	0.6	2	42 =				42	<1
Laboratory Control Sample	K2501584-LCS	11-Mar	130.2	Hardness as CaCO3	1	0.6	2	36 =	34	106	85-115		
Method Blank	K2501584-MB	11-Mar	130.2	Hardness as CaCO3	1	0.6	2	ND ND					
M4159	K2501584-002DUP	10-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	0.007 =, J,*				0.006	33
M4159	K2501584-002MS	10-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	0.27 =	0.25	106	90-110		
Laboratory Control Sample	K2501584-LCS	10-Mar	350.1	Ammonia as Nitrogen	10	0.04	0.1	3.7 =	3.9	94	90-110		
Laboratory Control Sample	K2501584-LCS	10-Mar	350.1	Ammonia as Nitrogen	10	0.04	0.1	3.7 =	3.9	94	90-110		
Method Blank	K2501584-MB	10-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	ND ND					
Method Blank	K2501584-MB	10-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	ND ND					
M4158	K2501584-001DUP	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	0.37 =				0.37	<1
M4158	K2501584-001MS	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	2.80 =	2.50	97	90-110		
Laboratory Control Sample	K2501584-LCS	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	3.23 =	3.40	95	90-110		
Method Blank	K2501584-MB	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	ND ND					
M4158	K2501584-001DUP	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	0.4 =, *				0.4	25
M4158	K2501584-001MS	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	22.2 =	20.0	110	75-125		
Laboratory Control Sample	K2501584-LCS	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	5.9 =	6.0	98	85-115		
Method Blank	K2501584-MB	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	ND ND					
M4158	K2501584-001DUP	14-Mar	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	1.1 =				1.2	17
M4158	K2501584-001MS	14-Mar	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	20.9 =	25.0	78	68-132		
T1201	K2501584-008DUP	9-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	3.7 =				3.7	<1
T1201	K2501584-008MS	9-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	27.8 =	25.0	96	68-132		
G1207-A	K2501584-019DUP	11-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	13.8 =				13.7	1
G1207-A	K2501584-019MS	11-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	36.1 =	25.0	90	68-132		
Laboratory Control Sample	K2501584-LCS	14-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	28.4 =	30.1	94	90-109		
Laboratory Control Sample	K2501584-LCS	11-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	30.3 =	30.1	101	90-109		
Laboratory Control Sample	K2501584-LCS	9-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	29.4 =	30.1	98	90-109		
Method Blank	K2501584-MB	9-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	ND ND					
Method Blank	K2501584-MB	11-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	ND ND					
Method Blank	K2501584-MB	14-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	ND ND					
M4158	K2501584-001DMS	7-Mar	365.3	Phosphorus, Total	2	0.01	0.02	1.05 =	0.50	192	76-118		
M4158	K2501584-001DUP	7-Mar	365.3	Phosphorus, Total	1	0.005	0.01	0.10 =				0.10	10
M4158	K2501584-001MS	7-Mar	365.3	Phosphorus, Total	1	0.005	0.01	0.55 =	0.50	92	76-118		

NOTE: All samples collected, processed, and analyzed in 2005

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
Laboratory Control Sample	K2501584-LCS	7-Mar	365.3	Phosphorus, Total	1	0.005	0.01	3.08 =	3.29	94	94-108		
Method Blank	K2501584-MB	7-Mar	365.3	Phosphorus, Total	1	0.005	0.01	ND ND					
M4158	K2501584-001DUP	8-Mar	160.3	Solids, Total	1			32300 =				31800	3
T1205	K2501584-012DUP	5-Mar	160.3	Solids, Total	1			12400 =				12550	2
M4157	K2501584-032DUP	9-Mar	160.3	Solids, Total	1			31600 =				30900	5
Laboratory Control Sample	K2501584-LCS	9-Mar	160.3	Solids, Total	1			800 =	825	97	85-115		
Laboratory Control Sample	K2501584-LCS	5-Mar	160.3	Solids, Total	1			808 =	774	104	85-115		
Laboratory Control Sample	K2501584-LCS	8-Mar	160.3	Solids, Total	1			804 =	774	104	85-115		
Method Blank	K2501584-MB	5-Mar	160.3	Solids, Total	1			ND ND					
Method Blank	K2501584-MB	8-Mar	160.3	Solids, Total	1			ND ND					
Method Blank	K2501584-MB	9-Mar	160.3	Solids, Total	1			ND ND					
T1200	K2501584-007DUP	6-Mar	160.2	Solids, Total Suspended (TSS)	1	3	3	6 =				7	14
Laboratory Control Sample	K2501584-LCS	8-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	208 =	223	93	85-115		
Laboratory Control Sample	K2501584-LCS	6-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	208 =	223	93	85-115		
Method Blank	K2501584-MB	8-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	ND ND					
Method Blank	K2501584-MB	6-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	ND ND					

NOTE: All samples collected, processed, and analyzed in 2005

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventionals in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
<b>QC Batch ID: K2502085</b>													
T1207	K2502085-001DUP	2-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	<b>40 =</b>				40	<1
Laboratory Control Sample	K2502085-LCS	2-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	<b>50 =</b>	49	102	85-115		
Method Blank	K2502085-MB	2-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	<b>ND ND</b>					
T1207	K2502085-001DUP	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	<b>7.7 =</b>				7.8	1
T1207	K2502085-001MS	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	<b>31.5 =</b>	25.0	95	68-132		
M4200	K2502085-020DUP	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	<b>0.9 =</b>				1.0	10
M4200	K2502085-020MS	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	<b>47.0 =</b>	50.0	92	68-132		
Laboratory Control Sample	K2502085-LCS	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	<b>29.4 =</b>	30.1	98	90-109		
Laboratory Control Sample	K2502085-LCS	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	<b>27.8 =</b>	30.1	92	90-109		
Method Blank	K2502085-MB	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	<b>ND ND</b>					
Method Blank	K2502085-MB	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	<b>ND ND</b>					
T1207	K2502085-001DUP	29-Mar	130.2	Hardness as CaCO3	1	0.6	2	<b>50 =</b>				50	<1
Laboratory Control Sample	K2502085-LCS	29-Mar	130.2	Hardness as CaCO3	1	0.6	2	<b>36 =</b>	34	106	85-115		
Method Blank	K2502085-MB	29-Mar	130.2	Hardness as CaCO3	1	0.6	2	<b>ND ND</b>					
T1207	K2502085-001DUP	24-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	<b>0.04 =, *</b>				0.04	25
T1207	K2502085-001MS	24-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	<b>0.27 =</b>	0.25	96	90-110		
Laboratory Control Sample	K2502085-LCS	24-Mar	350.1	Ammonia as Nitrogen	10	0.04	0.1	<b>3.95 =</b>	3.94	100	90-110		
Laboratory Control Sample	K2502085-LCS	24-Mar	350.1	Ammonia as Nitrogen	2	0.04	0.1	<b>3.79 =</b>	3.94	96	90-110		
Method Blank	K2502085-MB	24-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	<b>ND ND</b>					
Method Blank	K2502085-MB	24-Mar	350.1	Ammonia as Nitrogen	1	0.02	0.05	<b>ND ND</b>					
T1207	K2502085-001DUP	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	<b>0.40 =</b>				0.41	2
T1207	K2502085-001MS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	<b>2.78 =</b>	2.50	95	90-110		
Laboratory Control Sample	K2502085-LCS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	<b>3.18 =</b>	3.40	94	90-110		
Method Blank	K2502085-MB	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	<b>0.01 =, J</b>					
T1207	K2502085-001DUP	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>0.6 =</b>				0.6	<1
T1207	K2502085-001MS	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>23.9 =</b>	20.0	117	75-125		
Laboratory Control Sample	K2502085-LCS	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>18.6 =</b>	19.4	96	85-115		
Method Blank	K2502085-MB	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>ND ND</b>					
T1207	K2502085-001DUP	25-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	<b>8.5 =</b>				8.5	1
T1207	K2502085-001MS	25-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	<b>30.8 =</b>	25.0	90	68-132		
M4200	K2502085-020DUP	24-Mar	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	<b>1.0 =</b>				1.0	<1
M4200	K2502085-020MS	24-Mar	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	<b>44.3 =</b>	50.0	87	68-132		
Laboratory Control Sample	K2502085-LCS	24-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	<b>28.8 =</b>	30.1	96	90-109		
Laboratory Control Sample	K2502085-LCS	25-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	<b>29.3 =</b>	30.1	97	90-109		
Method Blank	K2502085-MB	24-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	<b>ND ND</b>					
Method Blank	K2502085-MB	25-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	<b>ND ND</b>					
T1207	K2502085-001DUP	29-Mar	365.3	Phosphorus, Total	1	0.005	0.01	<b>0.08 =</b>				0.08	<1
T1207	K2502085-001MS	29-Mar	365.3	Phosphorus, Total	1	0.005	0.01	<b>0.55 =</b>	0.50	94	76-118		
Laboratory Control Sample	K2502085-LCS	29-Mar	365.3	Phosphorus, Total	1	0.005	0.01	<b>3.15 =</b>	3.29	96	94-108		
Method Blank	K2502085-MB	29-Mar	365.3	Phosphorus, Total	1	0.005	0.01	<b>ND ND</b>					
T1211	K2502085-005DUP	25-Mar	160.3	Solids, Total	1			<b>2680 =</b>				2760	6
M4205	K2502085-025DUP	28-Mar	160.3	Solids, Total	1			<b>30500 =</b>				31100	4
M4214	K2502085-033DUP	28-Mar	160.3	Solids, Total	1			<b>26500 =</b>				25800	6

NOTE: All samples collected, processed, and analyzed in 2005

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
T1221	K2502085-034DUP	25-Mar	160.3	Solids, Total	1			101 =				95	13
Laboratory Control Sample	K2502085-LCS	28-Mar	160.3	Solids, Total	1			847 =	905	94	85-115		
Laboratory Control Sample	K2502085-LCS	25-Mar	160.3	Solids, Total	1			892 =	905	99	85-115		
Method Blank	K2502085-MB	28-Mar	160.3	Solids, Total	1			ND ND					
Method Blank	K2502085-MB	25-Mar	160.3	Solids, Total	1			ND ND					
T1208	K2502085-002DUP	26-Mar	160.2	Solids, Total Suspended (TSS)	1	4	4	158 =				155	5
T1211	K2502085-005DUP	26-Mar	160.2	Solids, Total Suspended (TSS)	1	4	4	34 =				34	<1
M4201	K2502085-021DUP	28-Mar	160.2	Solids, Total Suspended (TSS)	1	2	2	ND ND				ND	
Laboratory Control Sample	K2502085-LCS	28-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	189 =	213	89	85-115		
Laboratory Control Sample	K2502085-LCS	26-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	200 =	213	94	85-115		
Method Blank	K2502085-MB	26-Mar	160.2	Solids, Total Suspended (TSS)	1	2	2	ND ND					
Method Blank	K2502085-MB	28-Mar	160.2	Solids, Total Suspended (TSS)	1	2	2	ND ND					

NOTE: All samples collected, processed, and analyzed in 2005

## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventionals in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
<b>QC Batch ID: K2502197</b>													
T1305	K2502197-001DUP	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	17 =				17	6
Laboratory Control Sample	K2502197-LCS	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	49 =	49	100	85-115		
Method Blank	K2502197-MB	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	ND ND					
T1305	K2502197-001DUP	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	6.3 =				6.3	<1
T1305	K2502197-001MS	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	30.7 =	25.0	98	68-132		
Laboratory Control Sample	K2502197-LCS	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	29.2 =	30.1	97	90-109		
Method Blank	K2502197-MB	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	ND ND					
Laboratory Control Sample	K2502197-LCS	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	24 =	23	104	85-115		
Method Blank	K2502197-MB	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	ND ND					
T1305	K2502197-001DUP	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	0.06 =				0.06	<1
T1305	K2502197-001MS	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	0.30 =	0.25	96	90-110		
Laboratory Control Sample	K2502197-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.04	0.1	3.62 =	3.94	92	90-110		
Laboratory Control Sample	K2502197-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.04	0.1	3.64 =	3.94	92	90-110		
Method Blank	K2502197-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	ND ND					
Method Blank	K2502197-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	ND ND					
Laboratory Control Sample	K2502197-LCS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	3.18 =	3.40	94	90-110		
Method Blank	K2502197-MB	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	ND ND					
T1305	K2502197-001DUP	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	0.6 =				0.6	<1
T1305	K2502197-001MS	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	19.1 =	20.0	93	75-125		
Laboratory Control Sample	K2502197-LCS	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	19.2 =	19.4	99	85-115		
Method Blank	K2502197-MB	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	ND ND					
T1305	K2502197-001DUP	4-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	6.8 =				6.7	3
T1305	K2502197-001MS	4-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	29.9 =	25.0	93	68-132		
Laboratory Control Sample	K2502197-LCS	4-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	29.2 =	30.1	97	90-109		
Method Blank	K2502197-MB	4-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	ND ND					
T1305	K2502197-001DUP	30-Mar	365.3	Phosphorus, Total	1	0.005	0.01	0.12 =				0.12	8
T1305	K2502197-001MS	30-Mar	365.3	Phosphorus, Total	1	0.005	0.01	0.56 =	0.50	90	76-118		
Laboratory Control Sample	K2502197-LCS	30-Mar	365.3	Phosphorus, Total	1	0.005	0.01	3.08 =	3.29	94	94-108		
Method Blank	K2502197-MB	30-Mar	365.3	Phosphorus, Total	1	0.005	0.01	ND ND					
Laboratory Control Sample	K2502197-LCS	1-Apr	160.3	Solids, Total	1			912 =	905	101	85-115		
Laboratory Control Sample	K2502197-LCS	1-Apr	160.3	Solids, Total	1			872 =	905	96	85-115		
Method Blank	K2502197-MB	1-Apr	160.3	Solids, Total	1			ND ND					
T1301	K2502197-003DUP	2-Apr	160.2	Solids, Total Suspended (TSS)	1	3	3	17 =				17	6
Laboratory Control Sample	K2502197-LCS	2-Apr	160.2	Solids, Total Suspended (TSS)	1	5	5	192 =	213	90	85-115		
Method Blank	K2502197-MB	2-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	ND ND					

NOTE: All samples collected, processed, and analyzed in 2005

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventionals in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
<b>QC Batch ID: K2502263</b>													
G1210	K2502263-015DUP	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	<b>190 =</b>				189	1
Lab Control Sample	K2502263-LCS	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	<b>49 =</b>	49	100	85-115		
Method Blank	K2502263-MB	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	<b>ND ND</b>					
M4250	K2502263-001DUP	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	<b>1.2 =</b>				1.3	8
M4250	K2502263-001MS	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	<b>35.3 =</b>	50.0	68	68-132		
Lab Control Sample	K2502263-LCS	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	<b>27.5 =</b>	30.1	91	90-109		
Method Blank	K2502263-MB	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	<b>ND ND</b>					
G1210	K2502263-015DUP	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	<b>68 =</b>				68	<1
Lab Control Sample	K2502263-LCS	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	<b>24 =</b>	23	104	85-115		
Method Blank	K2502263-MB	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	<b>ND ND</b>					
M4253	K2502263-004DUP	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	<b>0.03 =, *</b>				0.04	25
M4253	K2502263-004MS	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	<b>0.28 =</b>	0.25	96	90-110		
Lab Control Sample	K2502263-LCS	8-Apr	350.1	Ammonia as Nitrogen	2	0.04	0.10	<b>3.66 =</b>	3.94	93	90-110		
Lab Control Sample	K2502263-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.04	0.1	<b>3.64 =</b>	3.94	92	90-110		
Method Blank	K2502263-MB	8-Apr	350.1	Ammonia as Nitrogen	1	0.02	0.05	<b>ND ND</b>					
Method Blank	K2502263-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	<b>ND ND</b>					
M4253	K2502263-004DUP	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	<b>0.27 =</b>				0.27	<1
M4253	K2502263-004MS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	<b>2.64 =</b>	2.50	95	90-110		
Lab Control Sample	K2502263-LCS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	<b>3.18 =</b>	3.40	94	90-110		
Method Blank	K2502263-MB	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	<b>0.01 =, J</b>					
M4253	K2502263-004DUP	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>1.3 =</b>				1.3	8
M4253	K2502263-004MS	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>50.7 =</b>	50.0	99	75-125		
Lab Control Sample	K2502263-LCS1	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>20.1 =</b>	19.4	104			
Lab Control Sample	K2502263-LCS2	4-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>17.7 =</b>	19.4	91			
Method Blank	K2502263-MB	4-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>ND ND</b>					
Method Blank	K2502263-MB	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	<b>ND ND</b>					
M4250	K2502263-001DUP	8-Apr	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	<b>1.1 =</b>				1.2	17
M4250	K2502263-001MS	8-Apr	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	<b>49.1 =</b>	50.0	96	68-132		
Lab Control Sample	K2502263-LCS	8-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	<b>32.4 =</b>	32.6	99	90-109		
Method Blank	K2502263-MB	8-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	<b>ND ND</b>					
M4253	K2502263-004DUP	4-Apr	365.3	Phosphorus, Total	1	0.005	0.01	<b>0.08 =</b>				0.08	<1
M4253	K2502263-004MS	4-Apr	365.3	Phosphorus, Total	1	0.005	0.01	<b>0.54 =</b>	0.50	92	76-118		
Lab Control Sample	K2502263-LCS	4-Apr	365.3	Phosphorus, Total	1	0.005	0.01	<b>3.13 =</b>	3.29	95	94-108		
Method Blank	K2502263-MB	4-Apr	365.3	Phosphorus, Total	1	0.005	0.01	<b>ND ND</b>					
M4250	K2502263-001DUP	2-Apr	160.3	Solids, Total	1			<b>30800 =</b>				31100	2
M4262	K2502263-012DUP	2-Apr	160.3	Solids, Total	1			<b>30700 =</b>				30200	4
Lab Control Sample	K2502263-LCS	2-Apr	160.3	Solids, Total	1			<b>944 =</b>	905	104	85-115		
Method Blank	K2502263-MB	2-Apr	160.3	Solids, Total	1			<b>ND ND</b>					
Lab Control Sample	K2502263-LCS	2-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	<b>196 =</b>	213	92	85-115		
Method Blank	K2502263-MB	2-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	<b>ND ND</b>					

NOTE: All samples collected, processed, and analyzed in 2005

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventional in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
<b>QC Batch ID: K2502392</b>													
T1313	K2502392-001DUP	10-May	310.1	Alkalinity, Total as CaCO3	1	2	1	24 =, X				25	4
G1209	K2502392-025DUP	9-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	160 =				160	<1
Laboratory Control Sample	K2502392-LCS	10-May	310.1	Alkalinity, Total as CaCO3	1	2	1	62 =	62	100	85-115		
Laboratory Control Sample	K2502392-LCS	9-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	47 =	49	96	85-115		
Method Blank	K2502392-MB	9-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	ND ND					
Method Blank	K2502392-MB	9-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	ND ND					
T1313	K2502392-001DUP	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	5.4 =				5.4	2
T1313	K2502392-001MS	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	29.6 =	25.0	97	68-132		
T1324	K2502392-021DUP	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	1.8 =				1.8	<1
T1324	K2502392-021MS	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	27.4 =	25.0	102	68-132		
Laboratory Control Sample	K2502392-LCS	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	29.9 =	30.1	99	90-109		
Laboratory Control Sample	K2502392-LCS	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	29.2 =	30.1	97	90-109		
Method Blank	K2502392-MB	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	ND ND					
Method Blank	K2502392-MB	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	ND ND					
T1313	K2502392-001DUP	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	45 =				46	2
T1325	K2502392-022DUP	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	37 =				37	<1
Laboratory Control Sample	K2502392-LCS	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	23 =	23	100	85-115		
Laboratory Control Sample	K2502392-LCS	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	24 =	23	104	85-115		
Method Blank	K2502392-MB	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	ND ND					
Method Blank	K2502392-MB	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	ND ND					
T1314	K2502392-002DUP	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	0.02 =				0.02	<1
T1314	K2502392-002MS	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	0.26 =	0.25	96	90-110		
T1323	K2502392-020DUP	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	0.01 =				0.01	<1
T1323	K2502392-020MS	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	0.25 =	0.25	96	90-110		
Laboratory Control Sample	K2502392-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.1	0.04	3.6 =	3.9	92	90-110		
Laboratory Control Sample	K2502392-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.1	0.04	3.6 =	3.9	92	90-110		
Laboratory Control Sample	K2502392-LCS	8-Apr	350.1	Ammonia as Nitrogen	2	0.05	0.04	3.66 =	3.94	93	90-110		
Method Blank	K2502392-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	ND ND					
Method Blank	K2502392-MB	8-Apr	350.1	Ammonia as Nitrogen	1	0.05	0.02	ND ND					
Method Blank	K2502392-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	ND ND					
T1314	K2502392-002DUP	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	0.44 =				0.45	2
T1314	K2502392-002MS	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	2.91 =	2.50	98	90-110		
G1209	K2502392-025DUP	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.2	0.03	0.80 =				0.80	<1
G1209	K2502392-025MS	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.2	0.03	3.22 =	2.5	97	90-110		
Laboratory Control Sample	K2502392-LCS	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	3.22 =	3.40	95	90-110		
Laboratory Control Sample	K2502392-LCS	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	3.25 =	3.40	96	90-110		
Method Blank	K2502392-MB	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	ND ND					
Method Blank	K2502392-MB	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	ND ND					
T1313	K2502392-001DUP	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	0.3 =				0.3	<1
T1313	K2502392-001MS	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	20.9 =	20.0	103	75-125		
T1326	K2502392-023DUP	13-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	0.5 =				0.5	<1
T1326	K2502392-023MS	13-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	21.1 =	20.0	103	75-125		
Laboratory Control Sample	K2502392-LCS	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	19.2 =	19.4	99	85-115		

NOTE: All samples collected, processed, and analyzed in 2005

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventionals in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
Laboratory Control Sample	K2502392-LCS	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	19.4 =	19.4	100	85-115		
Method Blank	K2502392-MB	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	ND ND					
Method Blank	K2502392-MB	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	ND ND					
T1313	K2502392-001DUP	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	6.3 =				6.2	3
T1313	K2502392-001MS	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	30.9 =	25.0	99	68-132		
T1324	K2502392-021DUP	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	2.2 =				2.1	10
T1324	K2502392-021MS	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	26.5 =	25.0	98	68-132		
Laboratory Control Sample	K2502392-LCS	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	33.4 =	32.6	102	90-109		
Laboratory Control Sample	K2502392-LCS	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	33.2 =	32.6	102	90-109		
Method Blank	K2502392-MB	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	ND ND					
Method Blank	K2502392-MB	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	ND ND					
T1313	K2502392-001DUP	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	0.08 =				0.08	13
T1313	K2502392-001MS	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	0.56 =	0.50	98	76-118		
T1323	K2502392-020DUP	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	0.06 =				0.06	<1
T1323	K2502392-020MS	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	0.54 =	0.50	96	76-118		
Laboratory Control Sample	K2502392-LCS	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	3.18 =	3.29	97	94-108		
Laboratory Control Sample	K2502392-LCS	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	3.14 =	3.29	95	94-108		
Method Blank	K2502392-MB	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	ND ND					
Method Blank	K2502392-MB	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	ND ND					
T1313	K2502392-001DUP	6-Apr	160.3	Solids, Total	1			68 =				65	9
G1219	K2502392-012DUP	7-Apr	160.3	Solids, Total	1			328 =				340	7
Laboratory Control Sample	K2502392-LCS	7-Apr	160.3	Solids, Total	1			1430 =	1400	102	85-115		
Laboratory Control Sample	K2502392-LCS	6-Apr	160.3	Solids, Total	1			1390 =	1400	99	85-115		
Method Blank	K2502392-MB	6-Apr	160.3	Solids, Total	1			ND ND					
Method Blank	K2502392-MB	7-Apr	160.3	Solids, Total	1			ND ND					
Laboratory Control Sample	K2502392-LCS	6-Apr	160.2	Solids, Total Suspended (TSS)	1	35	35	360 =	358	101	85-115		
Laboratory Control Sample	K2502392-LCS	7-Apr	160.2	Solids, Total Suspended (TSS)	1	20	20	344 =	358	96	85-115		
Laboratory Control Sample	K2502392-LCS	6-Apr	160.2	Solids, Total Suspended (TSS)	1	35	35	343 =	358	96	85-115		
Laboratory Control Sample	K2502392-LCS	7-Apr	160.2	Solids, Total Suspended (TSS)	1	35	35	340 =	358	95	85-115		
Method Blank	K2502392-MB	7-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	ND ND					
Method Blank	K2502392-MB	6-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	ND ND					

NOTE: All samples collected, processed, and analyzed in 2005

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## Columbia Analytical Services

## PROJECT: FY05 Sinclair &amp; Dyes Inlets Stormwater Study

Conventionals in Water, QC Sample Results

Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
<b>QC Batch ID: K2502680</b>													
Lab Control Sample	K2502680-LCS	15-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	<b>50</b> =	49	102	85-115		
Method Blank	K2502680-MB	15-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	<b>ND</b> ND					
T1300	K2502680-001DUP	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	<b>10.6</b> =				10.5	3
T1300	K2502680-001MS	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	<b>35.5</b> =	25.0	101	68-132		
Lab Control Sample	K2502680-LCS	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	<b>33.4</b> =	32.6	102	90-109		
Method Blank	K2502680-MB	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	<b>ND</b> ND					
T1300	K2502680-001DUP	20-Apr	130.2	Hardness as CaCO3	1	2	0.6	<b>48</b> =				49	2
Lab Control Sample	K2502680-LCS	20-Apr	130.2	Hardness as CaCO3	1	2	0.6	<b>25</b> =	23	109	85-115		
Method Blank	K2502680-MB	20-Apr	130.2	Hardness as CaCO3	1	2	0.6	<b>ND</b> ND					
T1300	K2502680-001DUP	19-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	<b>0.03</b> =				0.03	<1
T1300	K2502680-001MS	19-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	<b>0.27</b> =	0.25	96	90-110		
Lab Control Sample	K2502680-LCS	19-Apr	350.1	Ammonia as Nitrogen	10	0.1	0.04	<b>3.80</b> =	3.94	96	90-110		
Method Blank	K2502680-MB	8-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	<b>ND</b> ND					
T1300	K2502680-001DUP	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	<b>0.43</b> =				0.43	2
T1300	K2502680-001MS	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	<b>2.87</b> =	2.50	98	90-110		
Lab Control Sample	K2502680-LCS	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	<b>3.36</b> =	3.40	99	90-110		
Method Blank	K2502680-MB	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	<b>0.02</b> =, J					
Lab Control Sample	K2502680-LCS	21-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	<b>20.8</b> =	8.5	245	85-115		
Method Blank	K2502680-MB	21-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	<b>ND</b> ND					
T1300	K2502680-001DUP	13-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	<b>10.8</b> =				11.1	5
T1300	K2502680-001MS	13-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	<b>35.5</b> =	25.0	97	68-132		
Lab Control Sample	K2502680-LCS	13-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	<b>33.4</b> =	32.6	102	90-109		
Method Blank	K2502680-MB	13-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	<b>ND</b> ND					
T1300	K2502680-001DUP	19-Apr	365.3	Phosphorus, Total	1	0.01	0.005	<b>0.10</b> =				0.10	<1
T1300	K2502680-001MS	19-Apr	365.3	Phosphorus, Total	1	0.01	0.005	<b>0.58</b> =	0.50	96	76-118		
Lab Control Sample	K2502680-LCS	19-Apr	365.3	Phosphorus, Total	1	0.01	0.005	<b>3.11</b> =	3.29	95	94-108		
Method Blank	K2502680-MB	19-Apr	365.3	Phosphorus, Total	1	0.01	0.005	<b>ND</b> ND					
Lab Control Sample	K2502680-LCS	14-Apr	160.3	Solids, Total	1			<b>1480</b> =	1400	106	85-115		
Method Blank	K2502680-MB	14-Apr	160.3	Solids, Total	1			<b>ND</b> ND					
Lab Control Sample	K2502680-LCS	14-Apr	160.2	Solids, Total Suspended (TSS)	1	5	5	<b>356</b> =	358	99	85-115		
Method Blank	K2502680-MB	14-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	<b>ND</b> ND					

NOTE: All samples collected, processed, and analyzed in 2005

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# QA Narratives: 2005 Storm Water Conventionals

(Listed based on Analytical Batch ID)

- 
- K2500540, Gorst 1
  - K2500600, Gorst 2
  - K2501082, ENV200501
  - K2501584, Sinclair 1,  
ENV200502
  - K2502085, Sinclair 2,  
ENV200503
  - K2502197, Dyes 1
  - K2502263, ENV200504
  - K2502392, Dyes 2, Baseflow 05
  - K2502680, Dyes 1 Make-up

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*Sinclair – Dyes Inlet Storm Water Conventionals Data Report, 2005*

## COLUMBIA ANALYTICAL SERVICES, INC.

**Client:** Battelle Marine Sciences Laboratory  
**Project:** TMDL in Sinclair & Dyes Inlets  
**Sample Matrix:** Water

**Service Request No.:** K2500540  
**Date Received:** 1/21/05

### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

#### Sample Receipt

Twenty-six water samples were received for analysis at Columbia Analytical Services on 1/21/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

#### General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

#### Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

#### Total Suspended Solids by EPA Method 160.2

No anomalies associated with the analysis of these samples were observed.

#### Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

#### Ammonia as Nitrogen by EPA Method 350.1

No anomalies associated with the analysis of these samples were observed.

#### Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

#### Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Approved by

*AT-CLL*

Date

*2/9/05*

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**Total Kjeldahl Nitrogen by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

**Hardness by EPA Method 130.2**

No anomalies associated with the analysis of these samples were observed.

**Alkalinity by EPA Method 310.1**

No anomalies associated with the analysis of these samples were observed.

Approved by                     *St. Cld*                     Date           2/9/05          

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## COLUMBIA ANALYTICAL SERVICES, INC.

**Client:** Battelle Marine Sciences Laboratory  
**Project:** TMDL in Sinclair & Dyes Inlets  
**Sample Matrix:** Water

**Service Request No.:** K2500600  
**Date Received:** 1/25/05

### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

#### Sample Receipt

Twenty-four water samples were received for analysis at Columbia Analytical Services on 1/25/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

#### General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

#### Total Solids (TS) by EPA Method 160.3

The initial analysis of sample G1112-A DUP 1 yielded a Relative Percent Difference (RPD) of 44% when compared to sample G1112-A. Since these samples appeared to be field duplicates, an investigation was conducted. All other QA/QC associated with this batch of samples was in control, so the next recourse was to reanalyze sample G112-A DUP 1. The results of the reanalysis did not agree with the initial determination, but did agree with the result from sample G1112-A. Thus, an error associated with the original analysis of G1112A-DUP A apparently occurred. The result from the reanalysis of G1112-A DUP 1 is reported, although it was performed outside the recommended hold time.

Since an apparent error was made during the initial analysis of sample G1112A-DUP 1, all associated samples in the batch were reanalyzed to check for inconsistencies. All results from the reanalysis of the associated samples agreed with the original analysis, which demonstrated the problem with G1112-A DUP 1 was confined to that sample. All raw data associated with the original analyses and the reanalyses is appended to the report. No further corrective action was appropriate.

No anomalies associated with the analysis of these samples were observed.

#### Total Suspended Solids by EPA Method 160.2

No anomalies associated with the analysis of these samples were observed.

Approved by



Date 2/22/05

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**Nitrate + Nitrite by EPA Method 353.2**

No anomalies associated with the analysis of these samples were observed.

**Ammonia as Nitrogen by EPA Method 350.1**

No anomalies associated with the analysis of these samples were observed.

**Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1**

The samples designated for DOC were received filtered and preserved with sulfuric acid.

No anomalies associated with the analysis of these samples were observed.

**Total Phosphorus by EPA Method 365.3**

No anomalies associated with the analysis of these samples were observed.

**Total Kjeldahl Nitrogen by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

**Hardness by EPA Method 130.2**

No anomalies associated with the analysis of these samples were observed.

**Alkalinity by EPA Method 310.1**

No anomalies associated with the analysis of these samples were observed.

Approved by



Date

2/22/05

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**COLUMBIA ANALYTICAL SERVICES, INC.**

**Client:** Battelle Marine Sciences Laboratory  
**Project:** TMDL in Sinclair & Dyes Inlets  
**Sample Matrix:** Water

**Service Request No.:** K2501082  
**Date Received:** 2/11/05

**CASE NARRATIVE**

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

**Sample Receipt**

Thirty one water samples were received for analysis at Columbia Analytical Services on 2/11/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

**General Comments**

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

**Total Solids (TS) by EPA Method 160.3**

No anomalies associated with the analysis of these samples were observed.

**Total Suspended Solids by EPA Method 160.2**

No anomalies associated with the analysis of these samples were observed.

**Nitrate + Nitrite by EPA Method 353.2**

No anomalies associated with the analysis of these samples were observed.

**Ammonia as Nitrogen by EPA Method 350.1**

No anomalies associated with the analysis of these samples were observed.

Approved by LAJ Date 3/3/05

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**Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1**

The samples designated for DOC were received filtered and preserved with sulfuric acid.

The matrix spike recovery of Total and Dissolved Organic Carbon for sample M4100 was outside control criteria because of matrix interference (i.e. high inorganic chloride). The samples and associated MS/MSD were reanalyzed using an extended reaction but produced similar results. The results of the reanalysis using the extended reaction are reported. No further corrective action was appropriate.

The recovery of Dissolved Organic Carbon for the Laboratory Control Sample (LCS) was outside the lower control criterion by one percent. However, the result is within the manufacturer's Performance acceptance limits of 25.05–34.55 mg/L. The data is flagged to indicate the problem.

The Dissolved Organic Carbon concentration for sample M4110 is 1.2 mg/L compared to the Total Organic Carbon concentration of 0.9 mg/L. The sample was reanalyzed on 3/1/05 with confirming results of 1.3 mg/L for Dissolved Organic Carbon and 1.0 mg/L for Total Organic Carbon.

No other anomalies associated with the analysis of these samples were observed.

**Total Phosphorus by EPA Method 365.3**

No anomalies associated with the analysis of these samples were observed.

**Total Kjeldahl Nitrogen by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

Approved by LAZ Date 3/3/05

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## COLUMBIA ANALYTICAL SERVICES, INC.

**Client:** Battelle Marine Sciences Laboratory  
**Project:** TMDL in Sinclair & Dyes Inlets  
**Sample Matrix:** Water

**Service Request No.:** K2501584  
**Date Received:** 3/4/05

### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

#### Sample Receipt

Thirty-two water samples were received for analysis at Columbia Analytical Services on 3/4/05. The samples were received in good condition and consistent with the accompanying chain of custody form except as noted in the following comments. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Samples M4158, M4159, M4160, M4162, M4163, and M4164 were identified as "Freshwater" on the COC. However, the samples were actually seawater.

#### General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

#### Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

#### Total Suspended Solids by EPA Method 160.2

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

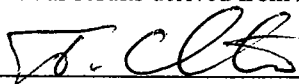
#### Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

#### Ammonia as Nitrogen by EPA Method 350.1

The Relative Percent Difference (RPD) criterion for the replicate analysis of Ammonia as Nitrogen in sample M4159 is not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

Approved by \_\_\_\_\_



Date \_\_\_\_\_

3/31/05

No other anomalies associated with the analysis of these samples were observed.

**Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1**

No anomalies associated with the analysis of these samples were observed.

**Total Phosphorus by EPA Method 365.3**

No anomalies associated with the analysis of these samples were observed.

**Total Kjeldahl Nitrogen by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

**Hardness by EPA Method 130.2**

No anomalies associated with the analysis of these samples were observed.

**Alkalinity by EPA Method 310.1**

No anomalies associated with the analysis of these samples were observed.

**Nitrogen, Total Kjeldahl by EPA Method 351.4**

The Relative Percent Difference (RPD) criterion for the replicate analysis of Nitrogen, Total Kjeldahl in sample M4158 is not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

No other anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_



Date \_\_\_\_\_

3/31/05

**COLUMBIA ANALYTICAL SERVICES, INC.**

**Client:** Battelle Marine Sciences Laboratory  
**Project:** TMDL in Sinclair & Dyes Inlets  
**Sample Matrix:** Water

**Service Request No.:** K2502085  
**Date Received:** 3/235

**CASE NARRATIVE**

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

**Sample Receipt**

Thirty-four water samples were received for analysis at Columbia Analytical Services on 3/23/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

**General Comments**

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

**Total Solids (TS) by EPA Method 160.3**

No anomalies associated with the analysis of these samples were observed.

**Total Suspended Solids by EPA Method 160.2**

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

**Nitrate + Nitrite by EPA Method 353.2**

No anomalies associated with the analysis of these samples were observed.

**Ammonia as Nitrogen by EPA Method 350.1**

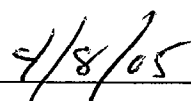
The Relative Percent Difference (RPD) criterion for the replicate analysis of Ammonia as Nitrogen in sample T1207 is not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

No other anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_



Date \_\_\_\_\_



**Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1**

No anomalies associated with the analysis of these samples were observed.

**Total Phosphorus by EPA Method 365.3**

No anomalies associated with the analysis of these samples were observed.

**Total Kjeldahl Nitrogen by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

**Hardness by EPA Method 130.2**

No anomalies associated with the analysis of these samples were observed.

**Alkalinity by EPA Method 310.1**

No anomalies associated with the analysis of these samples were observed.

**Nitrogen, Total Kjeldahl by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_



Date \_\_\_\_\_

4/8/05

**COLUMBIA ANALYTICAL SERVICES, INC.**

**Client:** Battelle Marine Sciences Laboratory  
**Project:** TMDL in Sinclair & Dyes Inlets  
**Sample Matrix:** Water

**Service Request No.:** K2502197  
**Date Received:** 3/29/05

**CASE NARRATIVE**

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

**Sample Receipt**

Ten water samples were received for analysis at Columbia Analytical Services on 3/29/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

**General Comments**

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

**Total Solids (TS) by EPA Method 160.3**

No anomalies associated with the analysis of these samples were observed.

**Total Suspended Solids by EPA Method 160.2**

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

**Nitrate + Nitrite by EPA Method 353.2**

No anomalies associated with the analysis of these samples were observed.

**Ammonia as Nitrogen by EPA Method 350.1**

No anomalies associated with the analysis of these samples were observed.

**Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1**

No anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_

*H. Clt*

Date \_\_\_\_\_

*4/15/05*

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**Total Phosphorus by EPA Method 365.3**

No anomalies associated with the analysis of these samples were observed.

**Total Kjeldahl Nitrogen by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

**Hardness by EPA Method 130.2**

No anomalies associated with the analysis of these samples were observed.

**Alkalinity by EPA Method 310.1**

No anomalies associated with the analysis of these samples were observed.

**Nitrogen, Total Kjeldahl by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_



Date \_\_\_\_\_

4/15/05

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**COLUMBIA ANALYTICAL SERVICES, INC.**

**Client:** Battelle Marine Sciences Laboratory  
**Project:** TMDL in Sinclair & Dyes Inlets  
**Sample Matrix:** Water

**Service Request No.:** K2502263  
**Date Received:** 3/30/05

**CASE NARRATIVE**

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

**Sample Receipt**

Fifteen water samples were received for analysis at Columbia Analytical Services on 3/30/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

**General Comments**

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

**Total Solids (TS) by EPA Method 160.3**

No anomalies associated with the analysis of these samples were observed.

**Total Suspended Solids by EPA Method 160.2**

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

**Nitrate + Nitrite by EPA Method 353.2**

No anomalies associated with the analysis of these samples were observed.

**Ammonia as Nitrogen by EPA Method 350.1**

The Relative Percent Difference (RPD) criterion for the replicate analysis of Ammonia as Nitrogen in sample M4253 is not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

No other anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_



Date \_\_\_\_\_

4/14/05

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**Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1**

No anomalies associated with the analysis of these samples were observed.

**Total Phosphorus by EPA Method 365.3**

No anomalies associated with the analysis of these samples were observed.

**Total Kjeldahl Nitrogen by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

**Hardness by EPA Method 130.2**

No anomalies associated with the analysis of these samples were observed.

**Alkalinity by EPA Method 310.1**

No anomalies associated with the analysis of these samples were observed.

**Nitrogen, Total Kjeldahl by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_



Date \_\_\_\_\_

4/14/05

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## COLUMBIA ANALYTICAL SERVICES, INC.

Client: Battelle Marine Sciences Laboratory  
Project: TMDL in Sinclair & Dyes Inlets  
Sample Matrix: Water

Service Request No.: K2502392  
Date Received: 4/5/05

### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

#### Sample Receipt

Twenty five water samples were received for analysis at Columbia Analytical Services on 4/5/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

#### General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

#### Alkalinity by EPA Method 310.1

Due to a sample tracking error at the laboratory, the analysis of samples T1313, T1314, T1308, T1309, T1310, T1311, T1312, T1315, T1315-A, T1315-B, T1315-C, and G1219 was performed past the recommended holding time. Efforts were made to analyze the samples as soon as the error was identified. The data is flagged to indicate the holding time violation.

No other anomalies associated with the analysis of these samples were observed.

#### Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

#### Hardness by EPA Method 130.2

No anomalies associated with the analysis of these samples were observed.

#### Ammonia as Nitrogen by EPA Method 350.1

No anomalies associated with the analysis of these samples were observed.

Approved by Lat Date 5/12/05

**Nitrate + Nitrite by EPA Method 353.2**

No anomalies associated with the analysis of these samples were observed.

**Total Kjeldahl Nitrogen by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

**Total Phosphorus by EPA Method 365.3**

No anomalies associated with the analysis of these samples were observed.

**Total Solids (TS) by EPA Method 160.3**

No anomalies associated with the analysis of these samples were observed.

**Total Suspended Solids by EPA Method 160.2**

Detection limits were dictated by the volume of sample available for analysis. Insufficient sample volume was received to perform a duplicate analysis. A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the duplicate for these samples.

No anomalies associated with the analysis of these samples were observed.

Approved by Lat Date 5/12/25

## COLUMBIA ANALYTICAL SERVICES, INC.

**Client:** Battelle Marine Sciences Laboratory  
**Project:** TMDL in Sinclair & Dyes Inlets  
**Sample Matrix:** Water

**Service Request No.:** K2502680  
**Date Received:** 4/13/05

### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

#### Sample Receipt

One water sample was received for analysis at Columbia Analytical Services on 4/13/05. The sample was received in good condition and consistent with the accompanying chain of custody. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

#### General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

#### Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

#### Total Suspended Solids by EPA Method 160.2

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

#### Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

#### Ammonia as Nitrogen by EPA Method 350.1

No anomalies associated with the analysis of these samples were observed.

#### Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

Approved by



Date

4/28/05

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**Total Phosphorus by EPA Method 365.3**

No anomalies associated with the analysis of these samples were observed.

**Total Kjeldahl Nitrogen by EPA Method 351.4**

No anomalies associated with the analysis of these samples were observed.

**Hardness by EPA Method 130.2**

No anomalies associated with the analysis of these samples were observed.

**Alkalinity by EPA Method 310.1**

No anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_



Date \_\_\_\_\_

7/28/05

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# Sample Custody Records: 2005 Storm Water Conventionals

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- Chain of Custody
- Login Checksheets
- Battelle Sample Login
- CAS Sample Login

## SAMPLE CHAIN OF CUSTODY FORM

Date: 3 December 2004Page: 1 of 1

COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road  
Sequim, WA 98382

Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Bottle # Grab#	% Full
	Composite: Equipment Blank																			CF # 2318			
	BST12-RB-1	12/2/04 12:47	W																	BST12-RB	RB	1	50
	BST12-RB-2	12/2/04 14:32	W																	BST12-RB	RB	2	50
	BST12-RB-3	12/3/04 00:32	W																	BST12-RB	RB	3	50
	BST12-RB-4	12/3/04 06:32	W																	BST12-RB	RB	4	50
	BST12-RB	12/3/04 1700	W												X	X	X	X	1	IME	OME	ORG	CF 2318

Relinquished by:

JD Estes

12/3/04

1630

Signature

Date

Time

TEC

Printed Name

Company

Relinquished by:

Signature

Date

Time

Printed Name

Company

Received by:

12/3/04

1630

Signature

Date

Time

Battelle jbrandenberger

Printed Name

Company

Received by:

Signature

Date

Time

Printed Name

Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

RB = Rinse Blank

# SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05  
 Page: 1 of 8  
 COC Number: \_\_\_\_\_

*Garst Storm #1*

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043				AS PER TABLE 2-1 IN QAPP																		Laboratory: Battelle MSL			
Project Name: TMDL in Sinclair & Dyes Inlets																						Address: 1529 W. Sequim Bay Road Sequim, WA 98382			
Project Manager: Martin C. Miller																						Attention: Jill Brandenberger			
Phone: (360) 681-3668				Testing Parameters																		Observations, Instructions			
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST	No. of containers	StationID	Storm#	Jar#	%Full	
2318	T1100-A	1/17/05 0054	W																		LMK136	2005 Jan 17	1	100	
	T1100-B	1/17/05 0354	W																		LMK136	2005 Jan 17	2	100	
	T1100-C	1/17/05 0654	W																		LMK136		3	20	
	T1100-D	1/17/05 0954	W																		LMK136		4	60	
	T1100-E	1/17/05 1203	W																		LMK136		5	100	
	T1100-F	1/17/05 1503	W																		LMK136		6	100	
	T1100-G	1/17/05 1803	W																		LMK136		7	100	
	T1100-H	1/17/05 2103	W																		LMK136		8	100	
	T1100-I	1/18/05 0003	W																		LMK136		9	100	
	T1100-J	1/18/05 0303	W																		LMK136		10	100 <del>85</del>	
	T1100-K	1/18/05 0603	W																		LMK136		11	85	
TIME	DATE	Composite																							
4	32	T1100	1/18/05 1000		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
60		ORG																							
Relinquished by: <i>JM</i> <u>1/18/05</u> <u>1645</u>				Received by: <i>JM Brandenberger</i> <u>1/18/05</u> <u>1645</u>																		Total # of Containers			
Signature: <i>JDE</i> Date: _____ Time: _____				Signature: <i>JM Brandenberger</i> Date: _____ Time: _____																		Shipment Method:			
Printed Name: _____ Company: _____				Printed Name: _____ Company: <i>Battelle</i>																		Special Requirements or Conditions:			
Relinquished by:				Received by:																		Sample Disposition:			
Signature: _____ Date: _____ Time: _____				Signature: _____ Date: _____ Time: _____																		Distribution:			
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____																		1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory			

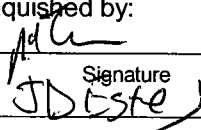
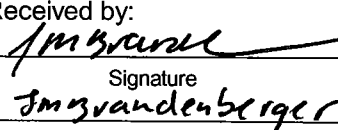
# **SAMPLE CHAIN OF CUSTODY FORM**

Date: 1/18/05  
 Page: 2 of 8  
 COC Number: \_\_\_\_\_

*6 worst storm #1*

## **Battelle**

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

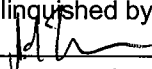
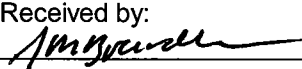
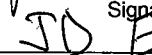

Project No.: 43043  Project Name: TMDL in Sinclair & Dyes Inlets  Project Manager: Martin C. Miller  Phone: (360) 681-3668				<b>AS PER TABLE 2-1 IN QAPP</b>														Laboratory: Battelle MSL Address: 1529 W. Sequim Bay Road Sequim, WA 98382  Attention: Jill Brandenberger					
				Testing Parameters														Observations, Instructions					
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Jar#	%Full
	T1101-A	1/16/05 2354	W																	GC	2005 Jan 17	1	100
	T1101-B	1/17/05 0554	W																	GC		2	50
	T1101-C	1/17/05 1154	W																	GC		3	75
	T1101-D	1/17/05 1754	W																	GC		4	100
	T1101-E	1/17/05 2354	W																	GC		5	100
	T1101-F	1/18/05 0554	W																	GC		6	85
	T1101-G		W																	GC		7	
	T1101-H		W																	GC		8	
	T1101-I		W																	GC		9	
	T1101-J		W																	GC		10	
	T1101-K		W																	GC		11	
TIME	ONE Composite:																						
5	33 T1101	1/18/05 2230		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1				
Relinquished by:  Signature Date Time J. D. Este 1/18/05 1645 Printed Name Company				Received by:  Signature Date Time J. Brandenberger 1/18/05 1645 Printed Name Company														Total # of Containers Shipment Method: Special Requirements or Conditions:					
Relinquished by: Signature Date Time Printed Name Company				Received by: Signature Date Time Printed Name Company														Sample Disposition: Distribution: 1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory					



Date: 1/18/05  
Page: 3 of 8  
COC Number: \_\_\_\_\_

Worst Storm #1

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

Project No.: 43043				AS PER TABLE 2-1 IN QAPP														Laboratory: Battelle MSL						
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382						
Project Manager: Martin C. Miller																		Attention: Jill Brandenberger						
Phone: (360) 681-3668				Testing Parameters														Observations, Instructions						
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST	No. of containers	StationID	Storm#	Jar#	%Full
	T1102-A	1/17/05 0001	W																		GCL	2005 Jan 17	1	100-95
	T1102-B	1/17/05 0601	W																		GCL		2	100
	T1102-C	1/17/05 1201	W																		GCL		3	100
	T1102-D	1/17/05 1801	W																		GCL		4	100
	T1102-E	1/18/05 0001	W																		GCL		5	100
	T1102-F	1/18/05 0601	W																		GCL		6	90
TIME/DME Composite																								
6/34	T1102	4/19/05 0940		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
62	Organics																							
Relinquished by:  1/18/05 1645				Received by:  4/18/05 1645														Total # of Containers						
Signature:  Date: 1/18/05 Time: 1645				Signature:  Date: 4/18/05 Time: 1645														Shipment Method:						
Printed Name: JD Estes Company: TEC				Printed Name: Jill Brandenberger Company: Battelle														Special Requirements or Conditions:						
Relinquished by:				Received by:														Sample Disposition:						
Signature: _____ Date: _____ Time: _____				Signature: _____ Date: _____ Time: _____														Distribution:						
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____														1) 2 copies to the Laboratory						
																		2) 1 copy to project manager						
																		3) Return completed original to Battelle Marine Sciences Laboratory						

# SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05  
 Page: 4 of 8  
 COC Number: \_\_\_\_\_

*Worst storm #1*

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043				AS PER TABLE 2-1 IN QAPP																Laboratory: Battelle MSL					
Project Name: TMDL in Sinclair & Dyes Inlets																				Address: 1529 W. Sequim Bay Road Sequim, WA 98382					
Project Manager: Martin C. Miller																				Attention: Jill Brandenberger					
Phone: (360) 681-3668				Testing Parameters																Observations, Instructions					
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pest	No. of containers	StationID	Storm#	Jar#	%Full	
	T1103-A	1/17/05 0021	W																		AC	2005 Jan 17	1	100	
	T1103-B	1/17/05 0621	W																		AC		2	100	
	T1103-C *	1/17/05 1221	W																		AC		3	100	
	T1103-D *	1/17/05 1821	W																		AC		4	100	
	T1103-E	1/18/05 0021	W																		AC		5	100	
	T1103-F	1/18/05 0621	W																		AC		6	90	
	<del>T1103</del>																								
Time	ONE Composite																								
7	35 T1103	1/19/05 0600		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	AC				
63	Organics																								
Relinquished by: <i>[Signature]</i> <u>1/18/05</u> <u>1645</u>				Received by: <i>[Signature]</i> <u>1/18/05</u> <u>1645</u>																Total # of Containers					
Signature: <i>[Signature]</i> Date: _____ Time: _____				Signature: <i>[Signature]</i> Date: _____ Time: _____																Shipment Method:					
Printed Name: <u>JD Ester</u> Company: _____				Printed Name: <u>J Brandenberger</u> Company: <u>Battelle</u>																Special Requirements or Conditions:					
Relinquished by:				Received by:																Sample Disposition:					
Signature: _____ Date: _____ Time: _____				Signature: _____ Date: _____ Time: _____																Distribution:					
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____																1) 2 copies to the Laboratory					
																				2) 1 copy to project manager					
																				3) Return completed original to Battelle Marine Sciences Laboratory					

# **SAMPLE CHAIN OF CUSTODY FORM**

Date: 1/18/05  
 Page: 5 of 8  
 COC Number: \_\_\_\_\_

*Gorst Storm #1*

## **Battelle**

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043				<b>AS PER TABLE 2-1 IN QAPP</b>														Laboratory: Battelle MSL					
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382					
Project Manager: Martin C. Miller																		Attention: Jill Brandenberger					
Phone: (360) 681-3668				Testing Parameters														Observations, Instructions					
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Jar#	%Full
	T1104-A	1/16/05 2357	W																	LMK122	2005 Jan 17	1	100
	T1104-B	1/17/05 0257	W																	LMK122		2	100
	T1104-C	1/17/05 0557	W																	LMK122		3	100
	T1104-D	1/17/05 0857	W																	LMK122		4	100
	T1104-E	1/17/05 1157	W																	LMK122		5	100
	T1104-F	1/17/05 1457	W																	LMK122		6	100
	T1104-G	1/17/05 1757	W																	LMK122		7	100
	T1104-H	1/17/05 2057	W																	LMK122		8	100
	T1104-I	1/17/05 2357	W																	LMK122		9	100
	T1104-J	1/18/05 0257	W																	LMK122		10	100
	T1104-K	1/18/05 0557	W																	LMK122		11	100
TMC/pne #8 #36 ORG #64	Composite T1104	1/19/05 1430	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
Relinquished by: <u>[Signature]</u> <u>1/18/05</u> <u>1645</u> Signature Date Time J D ESTEY TEC Printed Name Company				Received by: <u>[Signature]</u> <u>1/18/05</u> <u>1645</u> Signature Date Time Jm Brandenberger Battelle Printed Name Company														Total # of Containers					
Relinquished by: _____ Signature Date Time Printed Name Company				Received by: _____ Signature Date Time Printed Name Company														Shipment Method: Special Requirements or Conditions:					
																		Sample Disposition:					
																		Distribution:					
																		1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory					

# **SAMPLE CHAIN OF CUSTODY FORM**

Date: 1/18/05  
 Page: 6 of 8  
 COC Number: \_\_\_\_\_

*Gorst Storm #1*

## **Battelle**

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043  Project Name: TMDL in Sinclair & Dyes Inlets  Project Manager: Martin C. Miller  Phone: (360) 681-3668				<b>AS PER TABLE 2-1 IN QAPP</b>														Laboratory: Battelle MSL Address: 1529 W. Sequim Bay Road Sequim, WA 98382  Attention: Jill Brandenberger							
				Testing Parameters																		Observations, Instructions			
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PETCIPES	No. of containers	StationID	Storm#	Jar#	%Full	
	T1105-A	1/17/05 0213	W																		LMK038	2005 Jan 17	1	100	
	T1105-B	1/17/05 0513	W																		LMK038		2	100	
	T1105-C	1/17/05 0813	W																		LMK038		3	100	
	T1105-D	1/17/05 1113	W																		LMK038		4	100	
	T1105-E	1/17/05 1413	W																		LMK038		5	100	
	T1105-F	1/17/05 1713	W																		LMK038		6	100	
	T1105-G	1/17/05 2013	W																		LMK038		7	100	
	T1105-H	1/17/05 2313	W																		LMK038		8	100	
	T1105-I	1/18/05 0213	W																		LMK038		9	100	
	T1105-J	1/18/05 0513	W																		LMK038		10	100	
TRUE ONE #9/#37 Composite ORG #65					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
Relinquished by: <i>[Signature]</i> Signature Date Time JD Este TEC Printed Name Company				Received by: <i>[Signature]</i> 1/18/05 1645 Signature Date Time JM Brandenberger Battelle Printed Name Company																		Total # of Containers Shipment Method: Special Requirements or Conditions:  Sample Disposition:			
Relinquished by:  Signature Date Time  Printed Name Company				Received by:  Signature Date Time  Printed Name Company																		Distribution: 1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory			

# SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05  
 Page: 7 of 8  
 COC Number: \_\_\_\_\_

Gorst Storm #1

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043				AS PER TABLE 2-1 IN QAPP														Laboratory: Battelle MSL						
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382						
Project Manager: Martin C. Miller																		Attention: Jill Brandenberger						
Phone: (360) 681-3668				Testing Parameters														Observations, Instructions						
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	<i>Residue</i>	No. of containers	StationID	Storm#	Jar#	%Full
	T1106-A	1/17/05 0047W																			PO-POBLVD	2005 Jan 17	1	100
	T1106-B	1/17/05 0347W																			PO-POBLVD		2	100
	T1106-C	1/17/05 0647W																			PO-POBLVD		3	100
	T1106-D	1/17/05 0947W																			PO-POBLVD		4	100
	T1106-E	1/17/05 1247W																			PO-POBLVD		5	100
	T1106-F	1/17/05 1547W																			PO-POBLVD		6	100
	T1106-G	1/17/05 1847W																			PO-POBLVD		7	100
	T1106-H	1/17/05 2147W																			PO-POBLVD		8	100
	T1106-I	1/18/05 0047W																			PO-POBLVD		9	100
	T1106-J	1/18/05 0347W																			PO-POBLVD		10	100
	T1106-K	1/18/05 0647W																			PO-POBLVD		11	90
TIME/DATE #10/38	ORG #160 Composite	1/19/05 12:30		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
Relinquished by: <u>[Signature]</u> <u>1/18/05</u> <u>1645</u> Signature Date Time J D Estes Printed Name Company				Received by: <u>[Signature]</u> <u>1/18/05</u> <u>1645</u> Signature Date Time J M Brandenberger Battelle Printed Name Company														Total # of Containers						
Relinquished by: _____ Signature Date Time Printed Name Company				Received by: _____ Signature Date Time Printed Name Company														Shipment Method:						
																		Special Requirements or Conditions:						
																		Sample Disposition:						
																		Distribution:						
																		1) 2 copies to the Laboratory						
																		2) 1 copy to project manager						
																		3) Return completed original to Battelle Marine Sciences Laboratory						

Worst storm #1

**Battelle**  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Jan 17 05 12:28p

Dr. R.K. Johnston

360-824-6279

P. 1

Date: 1/18/05  
Page: 1 of 6  
COC Number:

Worst Storm #1

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

[illegible]

Date: 1/18/05  
Page: 2 of 6  
COC Number:

## Battelle

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

[illegible]



Date: 1/18/05  
Page: 3 of 6  
COC Number: \_\_\_\_\_

**Battelle**

Marine Sciences Laboratory  
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Sequim, Washington 98382

[illegible]

Date: 1/18/05  
Page: 4 of 6  
COC Number:

## Battelle

Marine Sciences Laboratory  
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Sequim, Washington 98382

[illegible]

Date: 1/18/05  
Page: 5 of 6  
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Grout Storm #1

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

Date: 1/18/05  
Page: 6 of 6  
COC Number: \_\_\_\_\_

**Battelle**

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

[illegible]

# **SAMPLE CHAIN OF CUSTODY FORM**

Date: 1/18/05  
 Page: 8 of 8  
 COC Number: \_\_\_\_\_

Gorst Storm #1

## **Battelle**

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043				<p align="center"><b>As Per Table 2-1 in QAPP</b></p> <p align="center">Testing Parameters</p>																		Laboratory: Battelle MSL			
Project Name: TMDL in Sinclair & Dyes Inlets																						Address: 1529 W. Sequim Bay Road Sequim, WA 98382			
Project Manager: Martin C. Miller																						Attention: Jill Brandenberger			
Phone: (360) 681-3668																						Observations, Instructions			
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides	No. of containers	StationID	Storm#	Grab#	% Full	
2318	T1114-A	1/17/05 0022	W																		AC-DUP	2005Jan17	1	100	
	T1114-B	1/17/05 0622	W																		AC-DUP		X	2	100
	T1114-C	1/17/05 1222	W																		AC-DUP		X	3	100
	T1114-D	1/17/05 1822	W																		AC-DUP		X	4	100
	T1114-E	1/18/05 0022	W																		AC-DUP		X	5	100
	T1114-F	1/18/05 0622	W																		AC-DUP		X	6	90
THE ONE	Composite																								
6970	T1114	1/19/05 0600		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	AC-DUP				
ORG																									
#71																									
Relinquished by: <u>[Signature]</u> <u>1/18/05</u> <u>1645</u>				Received by: <u>[Signature]</u> <u>1/18/05</u> <u>1645</u>																		Total # of Containers			
Signature: <u>JD [Signature]</u> Date: <u>1/18/05</u> Time: <u>1645</u>				Signature: <u>Jill Brandenberger</u> Date: <u>1/18/05</u> Time: <u>1645</u>																		Shipment Method:			
Printed Name: <u>JD [Signature]</u> Company: <u>TEC</u>				Printed Name: <u>Jill Brandenberger</u> Company: <u>Battelle</u>																		Special Requirements or Conditions:			
Relinquished by:				Received by:																		Sample Disposition:			
Signature: _____ Date: _____ Time: _____				Signature: _____ Date: _____ Time: _____																		Distribution:			
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____																		1) 2 copies to the Laboratory			
																						2) 1 copy to project manager			
																						3) Return completed original to			
																						Battelle Marine Sciences Laboratory			

Date: 1/23/05  
Page: 1 of 8  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

Date: 1/23/05  
Page: 2 of 8  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

Date: 1/23/05  
Page: 3 of 8  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]



Date: 1/23/05  
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COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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Date: 1/23/05  
Page: 6 of 8  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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Date: 1/23/05  
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COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

Date: 1/23/05  
Page: 8 of 8  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

Date: 1/23/05  
Page: 4 of 8  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

Date: 1/23/05  
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COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

Project No.: 43043				Storm #2 as per Table 2-1 in QAPP														Laboratory: Battelle MSL									
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382									
Project Manager: Martin C. Miller																		Attention: Jill Brandenberger									
Phone: (360) 681-3668				Testing Parameters														Observations, Instructions									
MSL 2318* TME DME Lab. Use only: Lab ID		Sample ID		Collection Date/Time		Matrix		Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Grab#	% Full
81	109	G1112-A		1/22/05	0750	W				X	X						X	X	X	X				AC-LOW	2005jan22	1	100
82	110	G1112-B		1/22/05	1805	W				X	X						X	X	X	X				AC-LOW	2005jan22	2	100
83	111	G1112-C		1/22/05	2230	W				X	X						X	X	X	X				AC-LOW	2005jan22	3	100
99	127	G1112-A-Dup1		1/22/05	0753	W				X	X						X	X	X	X				AC-LOW	2005jan22	Dup1	100
Relinquished by:				Received by:				Total # of Containers																			
Signature: <u>Brian Rupert</u> Date: <u>1/23/05</u> Time: <u>1130</u>				Signature: <u>LO Rourke</u> Date: <u>1/23/05</u> Time: <u>1130</u>				Shipment Method:																			
Printed Name: <u>Brian Rupert</u> Company: <u>TEC</u>				Printed Name: <u>LO Rourke</u> Company: <u>Battelle MSL</u>				Special Requirements or Conditions:																			
Relinquished by:				Received by:				Sample Disposition:																			
Signature: _____ Date: _____ Time: _____				Signature: _____ Date: _____ Time: _____				Distribution:																			
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____				1) 2 copies to the Laboratory																			
								2) 1 copy to project manager																			
								3) Return completed original to																			
								Battelle Marine Sciences Laboratory																			

Date: 1/23/05  
Page: 2 of MS  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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Date: 1/23/05  
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COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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Date: 1/23/05  
Page: ~~4~~ 5 of ~~4~~ 5  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

## Jan 20 05 12:33a

**Battelle**  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

**Laboratory:** Battelle MSL  
**Address:** 1529 W. Sequim Bay Road  
Sequim, WA 98382  
**Attention:** Jill Brandenberger

Project No.: 43043  
Project Name: TMDL in Sinclair & Dyes Inlets  
Project Manager: Martin C. Miller  
Phone: (360) 681-3668

### Testing Parameters

### Observations, Instructions

## 2005 Storm Water Data Report

COC Number:

## CHAIN OF CUSTODY FORM

Page: 1 of 9

Project No.: 43043  
Project Name: TMDL in Sinclair & Dyes Inlets

Date:  
Sample Team: Whitney, Walpole, Beckwith (PSNS)  
Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL  
Address: 1529 W. Sequim Bay Road  
Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Storm#	Jar#	% Full
132/133	M4100	2/9/2005 07430 AM	H2O									x	x	x							1	P3	2005ENV01		95
	M4100SAL	2/9/2005 0743 AM	H2O																	x	1	P3	2005ENV01		95
134/135	M4101	2/9/2005 0805 AM	H2O									x	x	x							1	P2	2005ENV01		95
	M4101SAL	2/9/2005 0805 AM	H2O																	x	1	P2	2005ENV01		95
136/137	M4102	2/9/2005 0805 AM	H2O									x	x	x							1	P2 DUP	2005ENV01		95
	M4102SAL	2/9/05 1313 PM	H2O																	x	1	P2 DUP	2005ENV01		95
138/139	M4103	2/9/2005 0841 AM	H2O									x	x	x							1	P1	2005ENV01		95
	M4103SAL	2/9/2005 0841 AM	H2O																	x	1	P1	2005ENV01		95
140/141	M4104	2/9/2005 0930 AM	H2O									x	x	x							1	M4	2005ENV01		95
	M4104NUTSHG	2/9/2005 0930 AM	H2O														x	x			1	M4	2005ENV01		95
	M4104SAL	2/9/2005 0930 AM	H2O																	x	1	M4	2005ENV01		95
142/143	M4105	2/9/2005 0951 AM	H2O									x	x	x							1	M3.3	2005ENV01		95
	M4105SAL	2/9/2005 0951 AM	H2O																	x	1	M3.3	2005ENV01		95
144/145	M4106	2/9/2005 1015 AM	H2O									x	x	x							1	SN12	2005ENV01		95
	M4106SAL	2/9/2005 1015 AM	H2O																	x	1	SN12	2005ENV01		95
146/147	M4107	2/9/2005 1030 AM	H2O									x	x	x							1	BJ-EST	2005ENV01		95
	M4107SAL	2/9/2005 1030 AM	H2O																	x	1	BJ-EST	2005ENV01		95
148/149	M4108	2/9/2005 1054 AM	H2O									x	x	x							1	M3.1	2005ENV01		95
	M4108NUTSHG	2/9/2005 1054 AM	H2O														x	x			1	M3.1	2005ENV01		95
	M4108SAL	2/9/2005 1054 AM	H2O																	x	1	M3.1	2005ENV01		95
150/151	M4109	2/9/2005 1201 PM	H2O									x	x	x				x	x		1	M6	2005ENV01		95
	M4109NUTSHG	2/9/2005 1201 PM	H2O														x	x			1	M6	2005ENV01		95
	M4109SAL	2/9/2005 1201 PM	H2O																	x	1	M6	2005ENV01		95
152/153	M4110	2/9/2005 1110 AM	H2O									x	x	x							1	DY01	2005ENV01		95
	M4110SAL	2/9/2005 1110 AM	H2O																	x	1	DY01	2005ENV01		95
154/155	M4112	2/9/2005 0914 AM	H2O									x	x	x							1	PL01	2005ENV01		95
	M4112SAL	2/9/2005 0914 AM	H2O																	x	1	PL01	2005ENV01		95
156/157	M4113	2/9/2005 1045 AM	H2O									x	x	x							1	PL02	2005ENV01		95
	M4113SAL	2/9/2005 1045 AM	H2O																	x	1	PL02	2005ENV01		95
158/159	M4114	2/9/2005 1225 PM	H2O									x	x	x							1	PL03	2005ENV01		95
	M4114SAL	2/9/2005 1225 PM	H2O																	x	1	PL03	2005ENV01		95

Relinquished by: <i>Brooks H Walpole</i> Signature Date Time Printed Name Company	Received by: <i>Jim Brindley</i> Signature Date Time Printed Name Company	Total # of Containers 30
Relinquished by: Signature Date Time Printed Name Company	Received by: Signature Date Time Printed Name Company	Shipment Method: Special Requirements or Conditions:
Relinquished by: Signature Date Time Printed Name Company	Received by: Signature Date Time Printed Name Company	Sample Disposition: Distribution: 1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory

COC Number:

## CHAIN OF CUSTODY FORM

Page: 1 of 9

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Date:

Sample Team: Whitney, Walpole, Beckwith (PSNS)

Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road

Observations, Instructions

Lab. Use only	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Cruise or Storm#	Jar#	% Full
	M4100-TS	2/9/2005 1301 PM	H2O			x	x														1	P3	2005ENV01		95
	M4101-TS	2/9/2005 1313 PM	H2O			x	x														1	P2	2005ENV01		95
	M4102-TS	2/9/05 1313 PM	H2O			x	x															P2 DUP	2005ENV01		95
	M4103-TS	2/9/2005 0841 AM	H2O			x	x														1	P1	2005ENV01		95
	M4104-TS	2/9/2005 0930 AM	H2O			x	x														1	M4	2005ENV01		95
	M4105-TS	2/9/2005 0951 AM	H2O			x	x														1	M3.3	2005ENV01		95
	M4106-TS	2/9/2005 1015 AM	H2O			x	x														1	SN12	2005ENV01		95
	M4107-TS	2/9/2005 1030 AM	H2O			x	x														1	BJ-EST	2005ENV01		95
	M4108-TS	2/9/2005 1054 AM	H2O			x	x														1	M3.1	2005ENV01		95
	M4109-TS	2/9/2005 1201 PM	H2O			x	x														1	M6	2005ENV01		95
	M4110-TS	2/9/2005 1110 AM	H2O			x	x														1	DY01	2005ENV01		95
	M4112-TS	2/9/2005 0914 AM	H2O			x	x														1	PL01	2005ENV01		95
	M4113-TS	2/9/2005 1045 AM	H2O			x	x														1	PL02	2005ENV01		95
	M4114-TS	2/9/2005 1225 PM	H2O			x	x														1	PL03	2005ENV01		95

Relinquished by:	Received by:	Total # of Containers
Signature: <i>[Signature]</i> Date: <i>2/9/05</i> Time: <i>1610</i>	Signature: <i>[Signature]</i> Date: <i>2/9/05</i> Time: <i>1610</i>	14
Printed Name: <i>Beckwith, H. Walpole</i> Company: <i>PSNS</i>	Printed Name: <i>Brandenberger</i> Company: <i>Battelle</i>	Shipment Method:
		Special Requirements or Conditions:
Relinquished by:	Received by:	Sample Disposition:
Signature: _____ Date: _____ Time: _____	Signature: _____ Date: _____ Time: _____	Distribution:
Printed Name: _____ Company: _____	Printed Name: _____ Company: _____	1) 2 copies to the Laboratory
		2) 1 copy to project manager
		3) Return completed original to Battelle Marine Sciences Laboratory

# SAMPLE CHAIN OF CUSTODY FORM

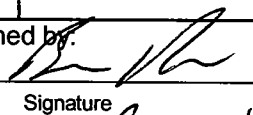
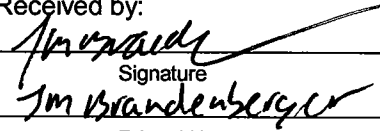
Date: \_\_\_\_\_

Page: \_\_\_\_\_ of \_\_\_\_\_

COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

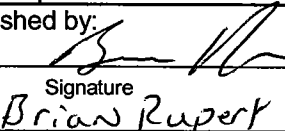
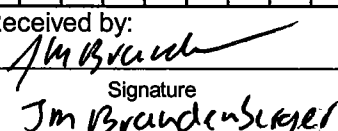
Project No.: 43043				<b>As Per Table 2-1 in QAPP</b>														Laboratory: Battelle MSL							
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382							
Project Manager: Martin C. Miller																		Attention: Jill Brandenberger							
Phone: (360) 681-3668				Testing Parameters														Observations, Instructions							
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1206-A	2/28/05 1732	W																			PSNS126	2005 Feb 28	1	100
	T1206-B	2/28/05 2032	W																			PSNS126		2	100
	T1206-C	2/28/05 2332	W																			PSNS126		3	100
	T1206-D	3/1/05 0832	W																			PSNS126		4	100
	T1206-E	3/1/05 0532	W																			PSNS126		5	100
	T1206-F	3/1/05 0832	W																			PSNS126		6	100
	T1206-G	3/1/05 1132	W																			PSNS126		7	100
	T1206-H		W																			PSNS126		8	50
IME/DME 172/173 ORG-238	Flow Composite	T1206 3/2/05 1940		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
Relinquished by:  3/2/05				Received by:  3/2/05 0930														Total # of Containers							
Signature: _____ Date: _____ Time: _____ Printed Name: Brian Rupert Company: TEC				Signature: _____ Date: _____ Time: _____ Printed Name: Jill Brandenberger Company: Battelle														Shipment Method:							
																		Special Requirements or Conditions:							
Relinquished by:				Received by:														Sample Disposition:							
Signature: _____ Date: _____ Time: _____				Signature: _____ Date: _____ Time: _____														Distribution:							
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____														1) 2 copies to the Laboratory							
																		2) 1 copy to project manager							
																		3) Return completed original to Battelle Marine Sciences Laboratory							

# **SAMPLE CHAIN OF CUSTODY FORM**

Date: \_\_\_\_\_  
 Page: \_\_\_\_\_ of \_\_\_\_\_  
 COC Number: \_\_\_\_\_

## **Battelle**

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

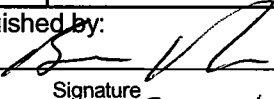
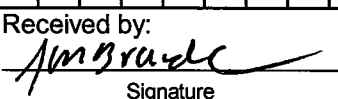
Project No.: 43043				<b>As Per Table 2-1 in QAPP</b>														Laboratory: Battelle MSL					
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382					
Project Manager: Martin C. Miller																		Attention: Jill Brandenberger					
Phone: (360) 681-3668				Testing Parameters														Observations, Instructions					
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Jar#	%Full
2318 *	T1205-A	2/28/05 1726	W																	PSNS124	2005 Feb 28	1	100
	T1205-B	2/28/05 2026	W																	PSNS124		2	100
	T1205-C	2/28/05 2326	W																	PSNS124		3	100
	T1205-D	3/1/05 0226	W																	PSNS124		4	100
	T1205-E	3/1/05 0526	W																	PSNS124		5	100
	T1205-F	3/1/05 0826	W																	PSNS124		6	100
	T1205-G	3/1/05 1126	W																	PSNS124		7	45
	<del>T1205-H</del>	<del>W</del>																		<del>PSNS124</del>		<del>8</del>	
THE/DME 170/171	Flowcomp T1205	3/2/05 1930		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
ORG- 237																							
Relinquished by:  3/2/05				Received by:  3/2/05 0930														Total # of Containers					
Signature: Brian Rupert Printed Name: Brian Rupert Company: TEC				Signature: Jim Brandenberger Printed Name: Jim Brandenberger Company: Battelle														Shipment Method:					
																		Special Requirements or Conditions:					
Relinquished by:				Received by:														Sample Disposition:					
Signature: _____ Date: _____ Time: _____				Signature: _____ Date: _____ Time: _____														Distribution:					
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____														1) 2 copies to the Laboratory					
																		2) 1 copy to project manager					
																		3) Return completed original to Battelle Marine Sciences Laboratory					

# SAMPLE CHAIN OF CUSTODY FORM

Date: \_\_\_\_\_  
 Page: \_\_\_\_\_ of \_\_\_\_\_  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043				<b>As Per Table 2-1 in QAPP</b>														Laboratory: Battelle MSL						
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382						
Project Manager: Martin C. Miller																		Attention: Jill Brandenberger						
Phone: (360) 681-3668				Testing Parameters														Observations, Instructions						
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST	No. of containers	StationID	Storm#	Jar#	%Full
	T1204-A	2/28/05 1741	W																		PSNS015	2005Feb28	1	100
	T1204-B	2/28/05 2041	W																		PSNS015		2	100
	T1204-C	2/28/05 2341	W																		PSNS015		3	100
	T1204-D	3/1/05 0241	W																		PSNS015		4	100
	T1204-E	3/1/05 0541	W																		PSNS015		5	100
	T1204-F	3/1/05 0841	W																		PSNS015		6	100
	T1204-G	3/1/05 1141	W																		PSNS015		7	25
	<del>T1204-H</del>		W																		<del>PSNS015</del>		<del>8</del>	
TIME/DME 168/109 ORG-236	Flow Composite	3/2/05 1910		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
	T1204																							
Relinquished by:  3/2/05				Received by:  3/2/05 0930														Total # of Containers						
Signature _____ Date _____ Time _____ Printed Name <b>Brian Rupert</b> Company _____				Signature _____ Date _____ Time _____ Printed Name <b>Jim Brandenberger</b> Company <b>Battelle</b>														Shipment Method:						
																		Special Requirements or Conditions:						
Relinquished by:				Received by:														Sample Disposition:						
Signature _____ Date _____ Time _____				Signature _____ Date _____ Time _____														Distribution:						
Printed Name _____ Company _____				Printed Name _____ Company _____														1) 2 copies to the Laboratory						
																		2) 1 copy to project manager						
																		3) Return completed original to Battelle Marine Sciences Laboratory						



# SAMPLE CHAIN OF CUSTODY FORM

Date: \_\_\_\_\_  
 Page: \_\_\_\_\_ of \_\_\_\_\_  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043  Project Name: TMDL in Sinclair & Dyes Inlets  Project Manager: Martin C. Miller  Phone: (360) 681-3668	<b><u>As Per Table 2-1 in QAPP</u></b>	Laboratory: Battelle MSL Address: 1529 W. Sequim Bay Road Sequim, WA 98382  Attention: Jill Brandenberger
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2318 *	Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics		No. of containers	StationID	Storm#	Jar#	%Full
		T1203-A	2/28/05 1452	W																		B-ST/CSO16	2005 Feb 28	1	100
		T1203-B	2/28/05 1752	W																		B-ST/CSO16		2	100
		T1203-C	2/28/05 2052	W																		B-ST/CSO16		3	100
		T1203-D	2/28/05 2352	W																		B-ST/CSO16		4	100
		T1203-E	3/1/05 0252	W																		B-ST/CSO16		5	100
		T1203-F	3/1/05 0552	W																		B-ST/CSO16		6	100
		T1203-G	3/1/05 0852	W																		B-ST/CSO16		7	100
		<del>T1203-H</del>		W																		B-ST/CSO16	<del>8</del>		
TIME/DOME 166/167 ORG - 235		Flow composite	3/2/05 1850		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					

Relinquished by: <div style="text-align: center;">             Signature            Date: 3/2/05            Time:         </div> <div style="text-align: center;">           Printed Name: Brian Rupert            Company: TEC         </div>	Received by: <div style="text-align: center;">             Signature            Date: 3/2/05            Time: 0930         </div> <div style="text-align: center;">           Printed Name: Jill Brandenberger            Company: Battelle         </div>	Total # of Containers Shipment Method: Special Requirements or Conditions:  Sample Disposition: Distribution: 1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory
Relinquished by: <div style="text-align: center;">           Signature            Date            Time         </div> <div style="text-align: center;">           Printed Name            Company         </div>	Received by: <div style="text-align: center;">           Signature            Date            Time         </div> <div style="text-align: center;">           Printed Name            Company         </div>	

# SAMPLE CHAIN OF CUSTODY FORM

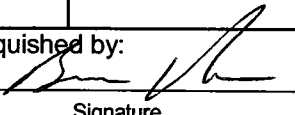
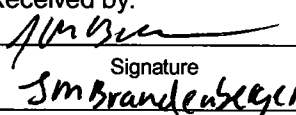
Date: \_\_\_\_\_  
 Page: \_\_\_\_\_ of \_\_\_\_\_  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043  Project Name: TMDL in Sinclair & Dyes Inlets  Project Manager: Martin C. Miller  Phone: (360) 681-3668	<b><u>As Per Table 2-1 in QAPP</u></b>	Laboratory: Battelle MSL Address: 1529 W. Sequim Bay Road Sequim, WA 98382  Attention: Jill Brandenberger
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Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
																						B-ST28			
	T1202-A	2/28/05 1521	W																			B-ST28	2005 FEB 28	1	50%
	T1202-B	2/28/05 1821	W																			B-ST28		2	100%
	T1202-C	2/28/05 2121	W																			B-ST28		3	100%
	T1202-D	3/1/05 0021	W																			B-ST28		4	100%
	T1202-E	3/1/05 0321	W																			B-ST28		5	0% Full
	T1202-F	3/1/05 0621	W																			B-ST28		6	45%
	T1202-G	3/1/05 0921	W																			B-ST28		7	100%
	T1202-H	Blank	W																			B-ST28		8	
	Flow																								
Time/Date	Composite																								
164/165	T1202	3/2/05 1830		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
ORC-	234																								

Relinquished by:  3/2/05 Signature: _____ Date: _____ Time: _____ Printed Name: Brian Rupert Company: TEC	Received by:  3/2/05 0930 Signature: _____ Date: _____ Time: _____ Printed Name: Jill Brandenberger Company: Battelle	Total # of Containers: _____ Shipment Method: _____ Special Requirements or Conditions: _____  Sample Disposition: _____ Distribution: 1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory
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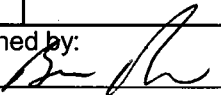
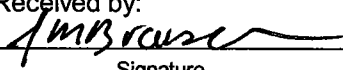
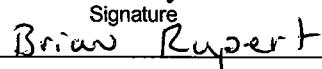
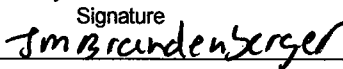
Date: \_\_\_\_\_  
Page: \_\_\_\_\_ of \_\_\_\_\_  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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Date: \_\_\_\_\_  
Page: \_\_\_\_\_ of \_\_\_\_\_  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project No.: 43043				<div>As Per Table 2-1 in QAPP</div>														Laboratory: Battelle MSL						
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382						
Project Manager: Martin C. Miller																		Attention: Jill Brandenberger						
Phone: (360) 681-3668				Testing Parameters														Observations, Instructions						
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	pest	No. of containers	StationID	Storm#	Jar#	%Full
																					BL	2005 FEB 28	1	100%
	T1200-A	2/28/05 1538	W																		BL		2	100%
	T1200-B	2/28/05 2138	W																		BL		3	100%
	T1200-C	3/1/05 0338	W																		BL		4	30%
	T1200-D	3/1/05 0938	W																		BL			
	T1200-BN																							
IME DME	160 161	T1200 composite	3/2/05 1445		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
ORIG 232		Equal composites of A, B, and C. 1/4 ratio for D due to 0% full of jar.																						
Relinquished by:  3/2/05				Received by:  3/2/05 0930														Total # of Containers						
Signature:  Date: TEC Time:				Signature:  Date: Battelle Time:														Shipment Method:						
Printed Name: Company:				Printed Name: Company:														Special Requirements or Conditions:						
Relinquished by:				Received by:														Sample Disposition:						
Signature: Date: Time:				Signature: Date: Time:														Distribution:						
Printed Name: Company:				Printed Name: Company:														1) 2 copies to the Laboratory						
																		2) 1 copy to project manager						
																		3) Return completed original to Battelle Marine Sciences Laboratory						

Date: 03-01-05  
Page: 1 of 1  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

# SAMPLE CHAIN OF CUSTODY FORM

Date: 3/1/05  
 Page: 1 of 1  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382

Attention: Jill Brandenberger

### Testing Parameters

### Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Grab#	Estimated Flow (CFS)
	<del>Code should be 6</del>			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		KAR-WWTP	17-Jan-05		
				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		KAR-WWTP	17-Jan-05		
				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		KAR-WWTP	17-Jan-05		
	G1201-A	8:00 3/1/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		KAR-WWTP	1-Mar-05	1	3.6 CFS
	G1201-B	10:30 3/1/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		KAR-WWTP	1-Mar-05	2	3.9 CFS
	G1201-C	12:45 3/1/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		KAR-WWTP	1-Mar-05	3	3.0 CFS
	<del>On/Off</del> 176/177 Composite	3/2/05 2115		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					

Relinquished by:

Bryan Gallagher 3/1/05 1:00  
 Signature Date Time  
Bryan Gallagher Karcher Creek  
 Printed Name Company

Received by:

Brian Rupert 3/1/05 1344  
 Signature Date Time  
Brian Rupert TEC  
 Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Relinquished by:

\_\_\_\_\_  
 Signature Date Time  
 Printed Name Company

Received by:

Jm Brandenberger 3/2/05 938  
 Signature Date Time  
Jm Brandenberger Battelle  
 Printed Name Company

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Date: \_\_\_\_\_  
Page: \_\_\_\_\_ of \_\_\_\_\_  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

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# SAMPLE CHAIN OF CUSTODY FORM

Date: \_\_\_\_\_  
 Page: \_\_\_\_\_ of \_\_\_\_\_  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

### As Per Table 2-1 in QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382

Attention: Jill Brandenberger

### Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Grab#	#2318 TME/DME
	G1207-A	2/25/05 1645	W			X	X						X	X	X	X				WADOT-02	2005 Feb 28	1	192 193
	G1207-B	2/25/05 2306	W			X	X						X	X	X	X				WADOT-02	I	2	194 195
	G1207-C	3/1/05 1010	W			X	X						X	X	X	X				WADOT-02		3	196 197
TME																							
2318-180																							
DME																							
2318-181																							
MU																							
3/2/05																							

Relinquished by: Brian Rupert 3/2/05  
 Signature Date Time  
 Printed Name Company

Received by: Jill Brandenberger 3/2/05 0930  
 Signature Date Time  
 Printed Name Company

Total # of Containers  
 Shipment Method:  
 Special Requirements or Conditions:  
 Sample Disposition:

Relinquished by: \_\_\_\_\_  
 Signature Date Time  
 Printed Name Company

Received by: \_\_\_\_\_  
 Signature Date Time  
 Printed Name Company

Distribution:  
 1) 2 copies to the Laboratory  
 2) 1 copy to project manager  
 3) Return completed original to  
 Battelle Marine Sciences Laboratory



Date: \_\_\_\_\_  
Page: \_\_\_\_\_ of \_\_\_\_\_  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

Project No.: 43043  
 Project Name: TMDL in Sinclair & Dyes Inlets  
 Project Manager: Martin C. Miller  
 Phone: (360) 681-3668

Date:  
 Sample Team: Whitney, Walpole, Beckwith (PSNS)  
 Event: Sinclair Marine and Nearshore

Laboratory: Battelle MSL  
 Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382  
 ATTN: Jill Brandenburg

Analyze parameters per Table 2-1 in ENVVEST QAPP

Observations, Instructions

Lab ID	Sample ID	Collection Date	Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISSST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Storm#	Jar#	% Full
204/205	M4150	3/2/05	6/1900 6:53A	H2O									x	x	x							1	P3	2005ENV02		95
	M4150SAL	3/2/05	6:53:00	H2O																	x	1	P3	2005ENV02		95
206/207	M4151	3/2/05	1900 7:00:00	H2O									x	x	x							1	P2	2005ENV02		95
	M4151SAL	3/2/05	900 7:1000:0	H2O																	x	1	P2	2005ENV02		95
210/211	M4152	3/2/05	7:52:00	H2O									x	x	x							1	P1	2005ENV02		95
	M4152SAL	3/2/05	7:52:00	H2O																	x	1	P1	2005ENV02		95
212/213	M4153	3/2/05	8:23:00	H2O									x	x	x							1	M4	2005ENV02		95
	M4154NUTSHG	3/2/05	8:23:00	H2O														x	x			1	M4	2005ENV02	Not Rec'd	95
	M4154SAL	3/2/05	8:23:00	H2O														x	x			1	M4	2005ENV02		95
	M4154NUTSHG	3/2/05	8:23:00	H2O														x	x			1	M4 DUB	2005ENV02	Not Rec'd	95
	M4154SAL	3/2/05	8:23:00	H2O																x		1	M4 DUB	2005ENV02		95
208/209	M4154	3/2/05	8:23:00	H2O									x	x	x							1	M4 DUB	2005ENV02		95
214/215	M4155	3/2/05	8:46:00	H2O									x	x	x							1	M3.3	2005ENV02		95
	M4155SAL	3/2/05	8:46:00	H2O																	x	1	M3.3	2005ENV02		95
216/217	M4156	3/2/05	9:00:00	H2O									x	x	x							1	SN12	2005ENV02		95
	M4156SAL	3/2/05	9:00:00	H2O																	x	1	SN12	2005ENV02		95
219/219	M4157	3/2/05	9:14:00	H2O									x	x	x							1	BJ-EST	2005ENV02		95
	M4157SAL	3/2/05	9:14:00	H2O																	x	1	BJ-EST	2005ENV02		95
220/221	M4158	3/2/05	9:47:00	H2O									x	x	x							1	M3.1	2005ENV02		95
	M4158NUTSHG	3/2/05	9:47:00	H2O														x	x			1	M3.1	2005ENV02		95
	M4158SAL	3/2/05	9:47:00	H2O																x		1	M3.1	2005ENV02		95
222/225	M4159	3/2/05	11:17:00	H2O									x	x	x				x	x		1	M6	2005ENV02		95
	M4159NUTSHG	3/2/05	11:17:00	H2O														x	x			1	M6	2005ENV02		95
	M4159SAL	3/2/05	11:17:00	H2O																x		1	M6	2005ENV02		95
224/225	M4160	3/2/05	9:58:00	H2O									x	x	x							1	DY01	2005ENV02		95
	M4160SAL	3/2/05	9:58:00	H2O																	x	1	DY01	2005ENV02		95
230/231	M4162	3/2/05	8:40:00 AM	H2O									x	x	x							1	PL04	2005ENV02		95
	M4162SAL	3/2/05	8:40:00 AM	H2O																	x	1	PL04	2005ENV02		95
226/227	M4163	3/2/05	9:31:00	H2O									x	x	x							1	PL05	2005ENV02		95
	M4163SAL	3/2/05	9:31:00	H2O																	x	1	PL05	2005ENV02		95
228/229	M4164	3/2/05	10:51:00	H2O									x	x	x							1	PL06	2005ENV02		95
	M4164SAL	3/2/05	10:51:00	H2O																	x	1	PL06	2005ENV02		95

m4 = m4153  
 m4 dup = m4154

Not Rec'd  
 Not Rec'd

Received by: Jim Strasser 3/2/05 1519  
Jim Brandenburg Battelle  
 Signature Date Time  
 Printed Name Company

Total # of Containers 30

Shipment Method:  
 Special Requirements or Conditions:

Sample Disposition:

Distribution:  
 1) 2 copies to the Laboratory  
 2) 1 copy to project manager  
 3) Return completed original to  
 Battelle Marine Sciences Laboratory

COC Number: 2005ENV0 2005ENV02

## CHAIN OF CUSTODY FORM

Page: 2 of 2

Project No.: 43043  
 Project Name: TMDL in Sinclair & Dyes Inlets  
 Project Manager: Martin C. Miller  
 Phone: (360) 681-3668

Date:  
 Sample Team: Whitney, Walpole, Beckwith (PSNS)  
 Event: Sinclair Marine and Nearshore

Laboratory: Battelle MSL  
 Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382  
 ATTN: Jill Brandenburg

Analyze parameters per Table 2-1 in ENVVEST QAPP

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date	Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Storm#	Jar#	% Full
	M4150-TS	3/2/05	6:53:00	H2O			x	x														1	P3	2005ENV02		95
	M4151-TS	3/2/05	7:10AM	H2O			x	x														1	P2	2005ENV02		95
	M4152-TS	3/2/05	7:52:00	H2O			x	x														1	P1	2005ENV02		95
	<del>M4153-TS</del>	3/2/05	8:23:00	H2O			x	x														1	M4	2005ENV02		95
	M4154-TS	3/2/05	8:23:00	H2O			x	x														1	M4 DUP	2005ENV02		95
	M4155-TS	3/2/05	8:46:00	H2O			x	x														1	M3.3	2005ENV02		95
	M4156-TS	3/2/05	9:00:00	H2O			x	x														1	SN12	2005ENV02		95
	M4157-TS	3/2/05	9:14:00	H2O			x	x														1	BJ-EST	2005ENV02		95
	M4158-TS	3/2/05	9:47:00	H2O			x	x														1	M3.1	2005ENV02		95
	M4159-TS	3/2/05	9:58:00	H2O			x	x														1	M6	2005ENV02		95
	M4160-TS	3/2/05	11:17:00	H2O			x	x														1	DY01	2005ENV02		95
	M4162-TS	3/2/05	8:40:00 AM	H2O			x	x														1	PL04	2005ENV02		95
	M4163-TS	3/2/05	9:31:00	H2O			x	x														1	PL05	2005ENV02		95
	M4164-TS	3/2/05	10:51:00	H2O			x	x														1	PL06	2005ENV02		95

Relinquished by: *Whitney* 3/2/05 1300  
 Signature Date Date Time

Printed Name Compan Company

Relinquished by:

Signature Date Date Time

Printed Name Compan Company

Received by: *Jm Brand* 3/2/05 1517  
 Signature Date Time

*Jm Brandenburg* Battelle  
 Printed Name Company

Received by:

Signature Date Time

Printed Name Company

Total # of Containers 14

Shipment Method:  
 Special Requirements or Conditions:

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Date: March 21, 2005

Sample Team: Whitney, Walpole, Beckwith (PSNS)

Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Storm#	Jar#	% Full
	M4200	3/21/05	6:46:00	H2O									x	x	x	x						1	P3	2005ENV03	239/240	95
	M4200SAL	3/21/05	6:46:00	H2O																	x	1	P3	2005ENV03		95
	M4201	3/21/05	7:10:00	H2O									x	x	x	x						1	P2	2005ENV03	241/242	95
	M4201SAL	3/21/05	7:10:00	H2O																	x	1	P2	2005ENV03		95
	M4202	3/21/05	7:47:00	H2O									x	x	x	x						1	P1	2005ENV03	243/244	95
	M4202SAL	3/21/05	7:47:00	H2O																	x	1	P1	2005ENV03		95
	M4203	3/21/05	8:29:00	H2O									x	x	x	x						1	M4	2005ENV03	245/246	95
	M4203NUTSHG	3/21/05	8:29:00	H2O														x	x			1	M4	2005ENV03		95
	M4203SAL	3/21/05	8:29:00	H2O																	x	1	M4	2005ENV03		95
	M4204	3/21/05	8:44:00	H2O									x	x	x	x						1	M3.3	2005ENV03	247/248	95
	M4204SAL	3/21/05	8:44:00	H2O																	x	1	M3.3	2005ENV03		95
	M4205	3/21/05	8:59:00	H2O									x	x	x	x						1	SN12	2005ENV03	249/250	95
	M4205SAL	3/21/05	8:59:00	H2O																	x	1	SN12	2005ENV03		95
	M4206	3/21/05	8:59:00	H2O									x	x	x	x						1	SN12 DUP	2005ENV03	251/252	95
	M4206SAL	3/21/05	8:59:00	H2O																	x	1	SN12 DUP	2005ENV03		95
	M4207	3/21/05	9:13:00	H2O									x	x	x	x						1	BJ-EST	2005ENV03	253/254	95
	M4207SAL	3/21/05	9:13:00	H2O																	x	1	BJ-EST	2005ENV03		95
	M4208	3/21/05	9:40:00	H2O									x	x	x	x						1	M3.1	2005ENV03	255/256	95
	M4208NUTSHG	3/21/05	9:40:00	H2O														x	x			1	M3.1	2005ENV03		95
	M4208SAL	3/21/05	9:40:00	H2O																	x	1	M3.1	2005ENV03		95
	M4209	3/21/05	10:51:00	H2O									x	x	x	x						1	M6	2005ENV03	257/258	95
	M4209NUTSHG	3/21/05	10:51:00	H2O														x	x			1	M6	2005ENV03		95
	M4209SAL	3/21/05	10:51:00	H2O																	x	1	M6	2005ENV03		95
	M4210	3/21/05	9:52:00	H2O									x	x	x	x						1	DY01	2005ENV03	259/260	95
	M4210SAL	3/21/05	9:52:00	H2O																	x	1	DY01	2005ENV03		95
	M4212	3/21/05	8:15:00	H2O									x	x	x	x						1	PL07	2005ENV03	261/262	95
	M4212SAL	3/21/05	8:15:00	H2O																	x	1	PL07	2005ENV03		95
	M4213	3/21/05	9:25:00	H2O									x	x	x	x						1	PL08	2005ENV03	263/264	95
	M4213SAL	3/21/05	9:25:00	H2O																	x	1	PL08	2005ENV03		95
	M4214	3/21/05	10:30:00	H2O									x	x	x	x						1	PL09	2005ENV03	265/266	95
	M4214SAL	3/21/05	10:30:00	H2O																	x	1	PL09	2005ENV03		95

Relinquished by: Vickie Whitney 3/21/05 2:09  
Signature: Vickie Whitney Date: 3/21/05 Time: 2:09  
Printed Name: Vickie Whitney Company: PSNS

Received by: Jm Brandenburg 3/21/05 2:09  
Signature: Jm Brandenburg Date: 3/21/05 Time: 2:09  
Printed Name: Jm Brandenburg Company: Battelle

Total # of Containers: 30

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

COC Number:

2005ENV03

## CHAIN OF CUSTODY FORM

Page: 2 of 2

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Date: March 21, 2005

Sample Team: Whitney, Walpole, Beckwith (PSNS)

Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road  
Observations, Instructions

Lab. Use only : Lab ID	Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Storm#	Jar#	% Full
	M4200-TS	3/21/05	6:46:00	H2O			x	x														1	P3	2005ENV03		95
	M4201-TS	3/21/05	7:10:00	H2O			x	x														1	P2	2005ENV03		95
	M4202-TS	3/21/05	7:47:00	H2O			x	x														1	P1	2005ENV03		95
	M4203-TS	3/21/05	8:29:00	H2O			x	x														1	M4	2005ENV03		95
	M4204-TS	3/21/05	8:44:00	H2O			x	x														1	M3.3	2005ENV03		95
	M4205-TS	3/21/05	8:59:00	H2O			x	x														1	SN12	2005ENV03		95
	M4206-TS	3/21/05	8:59:00	H2O			x	x														1	SN12 DUP	2005ENV03		95
	M4207-TS	3/21/05	9:13:00	H2O			x	x														1	BJ-EST	2005ENV03		95
	M4208-TS	3/21/05	9:40:00	H2O			x	x														1	M3.1	2005ENV03		95
	M4209-TS	3/21/05	10:51:00	H2O			x	x														1	M6	2005ENV03		95
	M4210-TS	3/21/05	9:52:00	H2O			x	x														1	DY01	2005ENV03		95
	M4212-TS	3/21/05	8:15:00	H2O			x	x														1	PL07	2005ENV03		95
	M4213-TS	3/21/05	9:25:00	H2O			x	x														1	PL08	2005ENV03		95
	M4214-TS	3/21/05	10:30:00	H2O			x	x														1	PL09	2005ENV03		95

Relinquished by:	Received by:	Total # of Containers
<i>Vickie Whitney</i> 3/21/05 2:09 PM PSNS	<i>Im Brandenberger</i> 3/21/05 2:09 PM Battelle	14
Signature	Signature	Shipment Method:
Printed Name	Printed Name	Special Requirements or Conditions:
Relinquished by:	Received by:	Sample Disposition:
Signature	Signature	Distribution:
Date	Date	1) 2 copies to the Laboratory
Time	Time	2) 1 copy to project manager
Printed Name	Printed Name	3) Return completed original to Battelle Marine Sciences Laboratory
Company	Company	

Cooler Temp 6.0°C

Cooler Temp 5.9°C

Cooler Temp 5.6°C

# SAMPLE CHAIN OF CUSTODY FORM

Date: 3/21/05  
 Page: 3 of 8  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043				<b>As Per Table 2-1 in QAPP</b>																		Laboratory: Battelle MSL			
Project Name: TMDL in Sinclair & Dyes Inlets																						Address: 1529 W. Sequim Bay Road Sequim, WA 98382			
Project Manager: Martin C. Miller																						Attention: Jill Brandenberger			
Phone: (360) 681-3668				Testing Parameters																		Observations, Instructions			
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISS	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Jar#	%Full		
	T1209-A	3/19/05 1254	W																	B-ST28	205Mar192	1	100		
	T1209-B	3/19/05 1554	W																	B-ST28		2	100		
	T1209-C	3/19/05 1854	W																	B-ST28		3	95		
	T1209-D	3/19/05 2154	W																	B-ST28		4	100		
	T1209-E	3/20/05 0054	W																	B-ST28		5	100		
	T1209-F	3/20/05 0354	W																	B-ST28		6	100		
	T1209-G	3/20/05 0654	W																	B-ST28		7	100		
	T1209-H	3/20/05 0954	W																	B-ST28		8	80		
	T1209 composite	3/20/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	THE/DME	ONE				
																				2674268	309				
Relinquished by: <u>[Signature]</u> <u>3/21/05</u> <u>0900</u>				Received by: <u>[Signature]</u> <u>3/21/05</u> <u>0900</u>																		Total # of Containers			
Signature: <u>JD Ester</u> Date: _____ Time: _____				Signature: <u>Jm Brandenberger</u> Date: _____ Time: _____																		Shipment Method:			
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____																		Special Requirements or Conditions:			
Relinquished by:				Received by:																		Sample Disposition:			
Signature: _____ Date: _____ Time: _____				Signature: _____ Date: _____ Time: _____																		Distribution:			
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____																		1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory			

**SAMPLE CHAIN OF CUSTODY FORM**

Date: 3/21/05  
 Page: 4 of 8  
 COC Number: \_\_\_\_\_

**Battelle**

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

**As Per Table 2-1 in QAPP**

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382

Attention: Jill Brandenberger

**Testing Parameters**
**Observations, Instructions**

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Jar#	%Full
	T1210-A	3/19/05 1308	W																	B-ST/CSO16	2005 Mar 192	1	100
	T1210-B	3/19/05 1608	W																	B-ST/CSO16		2	100
	T1210-C	3/19/05 1908	W																	B-ST/CSO16		3	100
	T1210-D	3/19/05 2208	W																	B-ST/CSO16		4	100
	T1210-E	3/20/05 0108	W																	B-ST/CSO16		5	100
	T1210-F	3/20/05 0408	W																	B-ST/CSO16		6	100
	T1210-G	3/20/05 0708	W																	B-ST/CSO16		7	100
	T1210-H	3/20/05 1008	W																	B-ST/CSO16		8	100
	T1210 composite	3/21/05	W	<	x	<	<	<	<	<	<	<	<	<	<	<	<	<		THE / ONE	DIRT		
																				269 270	310		

Relinquished by:

JM 3/21/05 0900  
 Signature Date Time  
JM TEC  
 Printed Name Company

Received by:

JM Brandenberger 3/21/05 0900  
 Signature Date Time  
JM Brandenberger Battelle  
 Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Relinquished by:

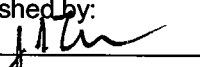
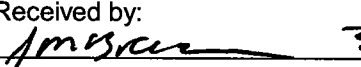
Signature Date Time  
 Printed Name Company

Received by:

Signature Date Time  
 Printed Name Company

Date: 3/21/05  
Page: 5 of 8  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

Project No.: 43043				<div>As Per Table 2-1 in QAPP</div>														Laboratory: Battelle MSL					
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382					
Project Manager: Martin C. Miller																		Attention: Jill Brandenberger					
Phone: (360) 681-3668				Testing Parameters														Observations, Instructions					
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Jar#	%Full
	T1211-A	3/19/05 1238	W																	PSNS015	2005 Mar 19	1	100
	T1211-B	3/19/05 1538	W																	PSNS015		2	100
	T1211-C	3/19/05 1838	W																	PSNS015		3	100
	T1211-D	3/19/05 2138	W																	PSNS015		4	100
	T1211-E	3/20/05 0038	W																	PSNS015		5	100
	T1211-F	3/20/05 0338	W																	PSNS015		6	100
	T1211-G	3/20/05 0638	W																	PSNS015		7	100
	T1211-H	3/20/05 0938	W																	PSNS015		8	85
	T1211 Composite	3/21/05	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	TRUE DATE	0900		
																				271 272	311		
Relinquished by:  3/21/05 0900				Received by:  3/21/05 0900														Total # of Containers					
Signature: J. D. Estes Printed Name: J. D. Estes Date: 3/21/05 Time: 0900 Company: TEC				Signature: Jm Brandenberger Printed Name: Jm Brandenberger Date: 3/21/05 Time: 0900 Company: Battelle														Shipment Method:					
Relinquished by:				Received by:														Special Requirements or Conditions:					
Signature: _____ Printed Name: _____ Date: _____ Time: _____ Company: _____				Signature: _____ Printed Name: _____ Date: _____ Time: _____ Company: _____														Sample Disposition:					
																		Distribution:					
																		1) 2 copies to the Laboratory					
																		2) 1 copy to project manager					
																		3) Return completed original to Battelle Marine Sciences Laboratory					



**SAMPLE CHAIN OF CUSTODY FORM**

Date: 3/21/05  
 Page: 6 of 8  
 COC Number: \_\_\_\_\_

**Battelle**

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

**As Per Table 2-1 in QAPP**

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382

Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Jar#	%Full
	T1212-A	3/19/05 1230	W																	PSNS124	2005 Mar 19	1	100
	T1212-B	3/19/05 1530	W																	PSNS124		2	100
	T1212-C	3/19/05 1830	W																	PSNS124		3	100
	T1212-D	3/19/05 2130	W																	PSNS124		4	100
	T1212-E	3/20/05 0030	W																	PSNS124		5	100
	T1212-F	3/20/05 0330	W																	PSNS124		6	100
	T1212-G	3/20/05 0630	W																	PSNS124		7	100
	T1212-H	3/20/05 0930	W																	PSNS124		8	70
	T1212 Composite	3/21/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	TNE/DOE	ORG		
																				273 274	312		

Relinquished by:

*[Signature]*  
 Signature  
 ID Estes  
 Printed Name  
 Company

3/21/05 0900  
 Date Time  
 TEC  
 Company

Received by:

*[Signature]* 3/21/05 0900  
 Signature Date Time  
 Jm Brandenberger Battelle  
 Printed Name Company

Total # of Containers

Shipment Method:  
 Special Requirements or Conditions:

Sample Disposition:

Relinquished by:

Signature Date Time  
 Printed Name Company

Received by:

Signature Date Time  
 Printed Name Company

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Date: 3/21/05  
Page: 7 of 8  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

Project No.: 43043						<div style="text-align: center;"><b>As Per Table 2-1 in QAPP</b></div>																		Laboratory: Battelle MSL			
Project Name: TMDL in Sinclair & Dyes Inlets																								Address: 1529 W. Sequim Bay Road Sequim, WA 98382			
Project Manager: Martin C. Miller																								Attention: Jill Brandenberger			
Phone: (360) 681-3668																											
						Testing Parameters																		Observations, Instructions			
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Jar#	%Full				
	T1213-A	3/19/05 1227	W																	PSNS126	2005Mar19Z	1	100				
	T1213-B	3/19/05 1527	W																	PSNS126		2	100				
	T1213-C	3/19/05 1827	W																	PSNS126		3	95				
	T1213-D	3/19/05 2127	W																	PSNS126		4	100				
	T1213-E	3/20/05 0027	W																	PSNS126		5	100				
	T1213-F	3/20/05 0327	W																	PSNS126		6	100				
	T1213-G	3/20/05 0627	W																	PSNS126		7	100				
	T1213-H	3/20/05 0927	W																	PSNS126		8	100				
	T1213 composite	3/21/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	TIME/DME 275/276	ORG 313						
Relinquished by:				Received by:				Total # of Containers																			
Signature: [Signature] Date: 3/21/05 Time: 0900				Signature: [Signature] Date: 3/21/05 Time: 0900				Shipment Method:																			
Printed Name: J. Sestak Company: TEC				Printed Name: Jim Brandenberger Company: Battelle				Special Requirements or Conditions:																			
Relinquished by:				Received by:				Sample Disposition:																			
Signature: _____ Date: _____ Time: _____				Signature: _____ Date: _____ Time: _____				Distribution:																			
Printed Name: _____ Company: _____				Printed Name: _____ Company: _____				1) 2 copies to the Laboratory																			
								2) 1 copy to project manager																			
								3) Return completed original to Battelle Marine Sciences Laboratory																			



Date: 3/21/05  
Page: 2 of 8  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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Date: 3/21/05  
Page: 8 of 8  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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Date: \_\_\_\_\_  
Page: 1 of 1  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

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Date: 3/21/05

Page: 1 of 3

COC Number:

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

**Project Name: TMDL in Sinclair & Dyes Inlets**

**Project Manager: Martin C. Miller**

**Phone: (360) 681-3668**

**As Per Table 2-1 in QAPP**

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road  
Sequim, WA 98382

Attention: Jill Brandenberger

### Observations, Instructions

## Testing Parameters

[illegible]

Date: 3/21/05  
Page: 2 of 3  
COC Number:

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

2005 Storm Water Data Report



Date: 3/21/05  
Page: 3 of 3  
COC Number:

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

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Date: 3/26/05  
Page: 1 of 1  
COC Number:

G1240 was duplicated - changed to G1220  
(discovered in data reporting; collection)  
dates separate the duplicate IDs

Laboratory:	Battelle MSL
Address:	1529 W. Sequim Bay Road Sequim, WA 98382

Attention: Jill Brandenberger

**Project Name: TMDL in Sinclair & Dyes Inlets**

**Project Manager: Martin C. Miller**

Phone: (360) 681-3668

### Testing Parameters

### Observations, Instructions

[illegible]

Relinquished by:

Received by:

Item	Quantity	Unit	Total # of Containers
1. 1000	1000	1000	1000
2. 1000	1000	1000	1000
3. 1000	1000	1000	1000
4. 1000	1000	1000	1000
5. 1000	1000	1000	1000
6. 1000	1000	1000	1000
7. 1000	1000	1000	1000
8. 1000	1000	1000	1000
9. 1000	1000	1000	1000
10. 1000	1000	1000	1000
11. 1000	1000	1000	1000
12. 1000	1000	1000	1000
13. 1000	1000	1000	1000
14. 1000	1000	1000	1000
15. 1000	1000	1000	1000
16. 1000	1000	1000	1000
17. 1000	1000	1000	1000
18. 1000	1000	1000	1000
19. 1000	1000	1000	1000
20. 1000	1000	1000	1000
21. 1000	1000	1000	1000
22. 1000	1000	1000	1000
23. 1000	1000	1000	1000
24. 1000	1000	1000	1000
25. 1000	1000	1000	1000
26. 1000	1000	1000	1000
27. 1000	1000	1000	1000
28. 1000	1000	1000	1000
29. 1000	1000	1000	1000
30. 1000	1000	1000	1000
31. 1000	1000	1000	1000
32. 1000	1000	1000	1000
33. 1000	1000	1000	1000
34. 1000	1000	1000	1000
35. 1000	1000	1000	1000
36. 1000	1000	1000	1000
37. 1000	1000	1000	1000
38. 1000	1000	1000	1000
39. 1000	1000	1000	1000
40. 1000	1000	1000	1000
41. 1000	1000	1000	1000
42. 1000	1000	1000	1000
43. 1000	1000	1000	1000
44. 1000	1000	1000	1000
45. 1000	1000	1000	1000
46. 1000	1000	1000	1000
47. 1000	1000	1000	1000
48. 1000	1000	1000	1000
49. 1000	1000	1000	1000
50. 1000	1000	1000	1000
51. 1000	1000	1000	1000
52. 1000	1000	1000	1000
53. 1000	1000	1000	1000
54. 1000	1000	1000	1000
55. 1000	1000	1000	1000
56. 1000	1000	1000	1000
57. 1000	1000	1000	1000
58. 1000	1000	1000	1000
59. 1000	1000	1000	1000
60. 1000	1000	1000	1000
61. 1000	1000	1000	1000
62. 1000	1000	1000	1000
63. 1000	1000	1000	1000
64. 1000	1000	1000	1000
65. 1000	1000	1000	1000
66. 1000	1000	1000	1000
67. 1000	1000	1000	1000
68. 1000	1000	1000	1000
69. 1000	1000	1000	1000
70. 1000	1000	1000	1000
71. 1000	1000	1000	1000
72. 1000	1000	1000	1000
73. 1000	1000	1000	1000
74. 1000	1000	1000	1000
75. 1000	1000	1000	1000
76. 1000	1000	1000	1000
77. 1000	1000	1000	1000
78. 1000	1000	1000	1000
79. 1000	1000	1000	1000
80. 1000	1000		

**Shipment Method:**

**Special Requirements or Conditions:**

**Sample Disposition:**

**Distribution:**

1) 2 copies to the Laboratory

2) 1 copy to project manager

3) Return completed original to

Battelle Marine Sciences Laboratory

Relinquished by: [Signature] 3/28/05 09300  
Signature Date Time  
Rayun Gellinger Karcher-Cross  
Printed Name Company

Received by:		3/28/05		1240	
Signature		Date		Time	
Printed Name		Company			

Relinquished by: [Signature] 3/24/2005  
Signature Date Time  
Printed Name Company

Received by: Duckie N. Whitman  
Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
Printed Name \_\_\_\_\_ Company \_\_\_\_\_

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 Release of  
 Uicker Whitney  
 3/20/2014

4/11/03 recd 3/28/05  
Bethell E.

Date: 3/27/05  
Page: 5 of 7  
COC Number:

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

Project No.: 43043														Laboratory: Battelle MSL Address: 1529 W. Sequim Bay Road Sequim, WA 98382  Attention: Jill Brandenberge											
Project Name: TMDL in Sinclair & Dyes Inlets						<b><u>As Per Table 2-1 in QAPP</u></b>								Observations, Instruction:  Cooler Temp = 2.0°C Cooler Temp = 5.0°C											
Project Manager: Martin C. Miller																									
Phone: (360) 681-3666						Testing Parameters																			
Lab. Use only:	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides	No. of containers	StationID	Storm#	Jar#	%Full	
Lab ID																									
	T1305-A	3/26/05 0140	W																			SW6	2005MAR26	1	100
	T1305-B	3/26/05 0440	W																			SW6		2	
	T1305-C	3/26/05 0740	W																			SW6		3	
	T1305-D	3/26/05 1040	W																			SW6		4	
	T1305-E	3/26/05 1340	W																			SW6		5	
	T1305-F	3/26/05 1640	W																			SW6		6	
	<del>T1305-G</del>		<del>W</del>																			<del>SW6</del>		<del>7</del>	X
	<del>T1305-H</del>		<del>W</del>																			<del>SW6</del>		<del>8</del>	X
	COMPOSITE T1305		W	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			THE 321	THE 322	ONE 374	
Relinquished by: [Signature] 3/27/05 1245						Received by: [Signature] 3/27/05 1245						Total # of Containers													
Signature: Brian Rupert						Signature: Jim Brandenberge						Shipment Method:													
Date: TEC						Date: Battelle						Special Requirements or Conditions:													
Printed Name: Company						Printed Name: Company						Sample Disposition:													
Relinquished by:						Received by:						Distribution:													
Signature: _____						Signature: _____						1) 2 copies to the Laboratory													
Date: _____						Date: _____						2) 1 copy to project manager													
Time: _____						Time: _____						3) Return completed original to Battelle Marine Sciences Laboratory													
Printed Name: _____						Printed Name: _____																			
Company: _____						Company: _____																			

Date: 3/27/05  
Page: 6 of 7  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

[illegible]

Date: 3/27/05  
Page: 1 of 7  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project No.: 43043			<div>As Per Table 2-1 in QAPP</div>															Sequim, Washington 98382						
Project Name: TMDL in Sinclair & Dyes Inlets																		Laboratory: Battelle MSL						
Project Manager: Martin C. Miller																		Address: 1529 W. Sequim Bay Road Sequim, WA 98382						
Phone: (360) 681-3666			Testing Parameters															Attention: Jill Brandenberge						
																		Observations, Instruction:						
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides	No. of containers	StationID	Storm#	Jar#	%Full
	T1301-A	3/26/05 0142	W																	1	BA	2005 MAR 26	1	100
	T1301-B	3/26/05 0742	W																	1	BA	↓	2	100
	T1301-C	3/26/05 1342	W																	1	BA	↓	3	75
	<del>T1301-D</del>		<del>W</del>																	<del>1</del>	<del>BA</del>		<del>4</del>	NA
	Composite T1301	3/27/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		THE 327	DNE 328	ORG 380	
Relinquished by:				Received by:															Total # of Containers					
Signature: <i>Brian Rupert</i>				Signature: <i>Jm Brandenberge</i>															Shipment Method:					
Date: 3/27/05				Date: 3/27/05															Special Requirements or Conditions:					
Time: 1245				Time: 1245															Sample Disposition:					
Printed Name: Brian Rupert				Printed Name: Jm Brandenberge															Distribution:					
Company: TEC				Company: Battelle															1) 2 copies to the Laboratory					
Relinquished by:				Received by:															2) 1 copy to project manager					
Signature:				Signature:															3) Return completed original to					
Date:				Date:															Battelle Marine Sciences Laboratory					
Time:				Time:																				
Printed Name:				Printed Name:																				
Company:				Company:																				

**SAMPLE CHAIN OF CUSTODY FORM**

 Date: 3/27/05

 Page: 2 of 7

COC Number: \_\_\_\_\_

**Battelle**

 Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Project Manager: Martin C. Millei

Phone: (360) 681-3668

**As Per Table 2-1 in QAPP**

Laboratory: Battelle MSL

 Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382

Attention: Jill Brandenberge

## Testing Parameters

## Observations, Instruction:

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides	No. of containers	StationID	Storm#	Jar#	%Full
	T1302-A	3/26/05 0133	W																	1	CC	2005MAR26	1	100
	T1302-B	3/26/05 0733	W																	1	CC		2	
	T1302-C	3/26/05 1333	W																	1	CC		3	
	T1302-D	3/26/05 1933	W																	1	CC		4	
	T1302-E	3/27/05 0133	W																	1	CC		5	
	Composite T1302			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		THE 329	DKE 330	ORL 382	

Relinquished by:

Signature: Brian Rupert Date: 3/27/05 Time: 1245  
 Printed Name: Brian Rupert Company: TEC

Received by:

Signature: JM Brandenberge Date: 3/27/05 Time: 1245  
 Printed Name: JM Brandenberge Company: Battelle

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Relinquished by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Company: \_\_\_\_\_

Received by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Company: \_\_\_\_\_

Date: 3/27/05  
Page: 3 of 7  
COC Number:

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

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Date: 3/27/05  
Page: 4 of 7  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

[illegible]



Date: 3/27/05  
Page: 7 of 7  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

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Date: 3/28/2005  
Page: 1 of 1

**Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382**

**Address:**

Attention: Stewart Magoon

### Observations, Instructions

**Phone: (360) 681-3668**

Cooler # \_\_\_\_\_ of \_\_\_\_\_

Sample ID	Collection Date	Collection Time	Matrix	Testing Parameters																Observations, Instructions	
				Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Pesticides	No. of containers
T1305	3/26/2005	140	fresh water																		
T1306	3/26/2005	136	fresh water															x	2	SW6	
T1301	3/26/2005	142	fresh water															x	2	B-ST12	
T1302	3/26/2005	133	fresh water															x	1	BA	
																		x	3	CC	
T1304	3/26/2005	56	fresh water															x	3	CH	
T1307	3/26/2005	115	fresh water															x	1	B-ST01 (Limited Volume ~2L)	
																			Total # of Containers=		12

Signature Date Time  
 Jm Brandenberger Battelle  
 Printed Name Company

Signature	Date	Time
Printed Name	Company	

Signature Chuckie Whitney Date 3/28/05 Time 1413

Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Signature			Date	Time
Printed Name			Company	

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to  
Battelle Marine Sciences Laboratory

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Date:

Sample Team: Whitney, Walpole, Beckwith (PSNS)

Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	DATE	TIME	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	USST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Storm#	Jar#	% Full
	M4250	03/28/2005	6:53:00 AM	H2O									x	x	x							1	P3	2005ENV04		95
	M4250SAL	03/28/2005	6:53:00 AM	H2O																	x	1	P3	2005ENV04		95
	M4251	03/28/2005	6:37:00 AM	H2O									x	x	x							1	P2	2005ENV04		95
	M4251SAL	03/28/2005	6:37:00 AM	H2O																	x	1	P2	2005ENV04		95
	M4252	03/28/2005	7:21:00 AM	H2O									x	x	x							1	P1	2005ENV04		95
	M4252SAL	03/28/2005	7:21:00 AM	H2O																	x	1	P1	2005ENV04		95
	M4253	03/28/2005	8:14:00 AM	H2O									x	x	x							1	M4	2005ENV04		95
	M4253NUTSHG	03/28/2005	8:14:00 AM	H2O															x	x		1	M4	2005ENV04		95
	M4253SAL	03/28/2005	8:14:00 AM	H2O																	x	1	M4	2005ENV04		95
	M4254	03/28/2005	8:57:00 AM	H2O									x	x	x							1	M3.3	2005ENV04		95
	M4254SAL	03/28/2005	8:57:00 AM	H2O																	x	1	M3.3	2005ENV04		95
	M4255	03/28/2005	9:10:00 AM	H2O									x	x	x							1	SN12	2005ENV04		95
	M4255SAL	03/28/2005	9:10:00 AM	H2O																	x	1	SN12	2005ENV04		95
	M4256	03/28/2005	9:22:00 AM	H2O									x	x	x							1	BJ-EST	2005ENV04		95
	M4256SAL	03/28/2005	9:22:00 AM	H2O																	x	1	BJ-EST	2005ENV04		95
	M4257	03/28/2005	9:42:00 AM	H2O									x	x	x							1	M3.1	2005ENV04		95
	M4257NUTSHG	03/28/2005	9:42:00 AM	H2O															x	x		1	M3.1	2005ENV04		95
	M4257SAL	03/28/2005	9:42:00 AM	H2O																	x	1	M3.1	2005ENV04		95
	M4258	03/28/2005	9:42:00 AM	H2O									x	x	x							1	M3.1 DUP	2005ENV04		95
	M4258NUTSHG	03/28/2005	9:42:00 AM	H2O															x	x		1	M3.1 DUP	2005ENV04		95
	M4258SAL	03/28/2005	9:42:00 AM	H2O																	x	1	M3.1 DUP	2005ENV04		95
	M4259	03/28/2005	10:57:00 AM	H2O									x	x	x							1	M6	2005ENV04		95
	M4259SAL	03/28/2005	10:57:00 AM	H2O																	x	1	M6	2005ENV04		95
	M4260	03/28/2005	10:02:00 AM	H2O									x	x	x							1	DY01	2005ENV04		95
	M4260SAL	03/28/2005	10:02:00 AM	H2O																	x	1	DY01	2005ENV04		95
	M4262	03/28/2005	7:54:00 AM	H2O									x	x	x							1	PL10	2005ENV04		95
	M4262SAL	03/28/2005	7:54:00 AM	H2O																	x	1	PL10	2005ENV04		95
	M4263	03/28/2005	8:31:00 AM	H2O									x	x	x							1	PL11	2005ENV04		95
	M4263SAL	03/28/2005	8:31:00 AM	H2O																	x	1	PL11	2005ENV04		95
	M4264	03/28/2005	8:46:00 AM	H2O									x	x	x							1	PL12	2005ENV04		95
	M4264SAL	03/28/2005	8:45:00 AM	H2O																	x	1	PL12	2005ENV04		95

Relinquished by:

Signature

Date

Time

Printed Name

Company

Relinquished by:

Signature

Date

Time

Printed Name

Company

Received by:

Signature

Date

Time

Printed Name

Company

Received by:

Signature

Date

Time

Printed Name

Company

Total # of Containers

30

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Cooler temp = 5.2°C

COC Number:

2005ENV04

## CHAIN OF CUSTODY FORM

Page: 2 of 2

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Date:

Sample Team: Whitney, Walpole, Beckwith (PSNS)

Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road

Observations, Instructions

Lab. Use only : Lab ID	Sample ID	DATE	TIME	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISS	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Storm#	Jar#	% Full
	M4250-TS	03/28/2005	6:53:00 AM	H2O			x	x														1	P3	2005ENV04		95
	M4251-TS	03/28/2005	6:37:00 AM	H2O			x	x														1	P2	2005ENV04		95
	M4252-TS	03/28/2005	7:21:00 AM	H2O			x	x														1	P1	2005ENV04		95
	M4253-TS	03/28/2005	8:14:00 AM	H2O			x	x														1	M4	2005ENV04		95
	M4254-TS	03/28/2005	8:57:00 AM	H2O			x	x														1	M3.3	2005ENV04		95
	M4255-TS	03/28/2005	9:10:00 AM	H2O			x	x														1	SN12	2005ENV04		95
	M4256-TS	03/28/2005	9:22:00 AM	H2O			x	x														1	BJ-EST	2005ENV04		95
	M4257-TS	03/28/2005	9:42:00 AM	H2O			x	x														1	M3.1	2005ENV04		95
	M4258-TS	03/28/2005	9:42:00 AM	H2O			x	x														1	M3.1DUP	2005ENV04		95
	M4259-TS	03/28/2005	10:57:00 AM	H2O			x	x														1	M6	2005ENV04		95
	M4260-TS	03/28/2005	10:02:00 AM	H2O			x	x														1	DY01	2005ENV04		95
	M4262-TS	03/28/2005	7:54:00 AM	H2O			x	x														1	PL10	2005ENV04		95
	M4263-TS	03/28/2005	8:31:00 AM	H2O			x	x														1	PL11	2005ENV04		95
	M4264-TS	03/28/2005	8:46:00 AM	H2O			x	x														1	PL12	2005ENV04		95

Relinquished by:	Received by:	Total # of Containers
<i>Whitney</i>	<i>Ammon</i>	14
Signature	Signature	Shipment Method:
Date	Date	Special Requirements or Conditions:
Time	Time	Sample Disposition:
Printed Name	Printed Name	Distribution:
Company	Company	1) 2 copies to the Laboratory
		2) 1 copy to project manager
		3) Return completed original to
		Battelle Marine Sciences Laboratory

Cooler temp = 3.8°C

**SAMPLE CHAIN OF CUSTODY FORM**

 Date: 30 March 2005

 Page: 1 of 1

COC Number: \_\_\_\_\_

**Battelle**

 Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlet:

Project Manager: Martin C. Mille

Phone: (360) 681-3666

**As Per Table 2-1 in QAPP**

Laboratory: Battelle MSI

 Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382

Attention: Jill Brandenberge

**Testing Parameters**
**Observations, Instructions**

TIME	DATE	Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	No. of containers	StationID	Storm#	Isco or Grab	Jar/Grab#	%Full
453	454		T1316-A	3/30/05 1100	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	504	BI-SBC	2005mar30WSBS	Isco	1	100
455	456		T1317-A	3/30/05 1110	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	505	BA	2005mar30WSBS	Isco	1	100
457	458		T1318-A	3/30/05 1120	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	506	CC	2005mar30WSBS	Isco	1	100
459	460		T1319-A	3/30/05 1110	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	507	SC	2005mar30WSBS	Isco	1	100
461	462		T1320-A	3/30/05 1110	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	508	CH	2005mar30WSBS	Isco	1	100
463	464		T1321-A	3/30/05 1110	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	509	SW6	2005mar30WSBS	Isco	1	100
			T1321-B	3/30/05 1410	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	510	SW6	2005mar30WSBS	Isco	2	100
465	466		T1322-A	3/30/05 1110	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	511	B-ST12	2005mar30WSBS	Isco	1	100
			T1322-B	3/30/05 1410	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	511	B-ST12	2005mar30WSBS	Isco	2	100
467	468		T1323-A	3/30/05 1400	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	511	B-ST01	2005mar30WSBS	Grab	1	100
469	470		T1324-A	3/30/05 1335	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		GC-SAN	2005mar30WSBS	Grab	1	100
471	472		T1325-A	3/30/05 1305	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		BL	2005mar30WSBS	Grab	1	100
473	474		T1326-A	3/30/05 1300	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		OC	2005mar30WSBS	Grab	1	100

Relinquished by:

3/31/05 1930

Received by:

3/31/05 1930

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Signature

Date

Time

Signature

Date

Time

Printed Name

Company

Printed Name

Company

Relinquished by:

Received by:

Signature

Date

Time

Signature

Date

Time

Printed Name

Company

Printed Name

Company

Date: \_\_\_\_\_  
Page: 1 of 1  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

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# SAMPLE CHAIN OF CUSTODY FORM

Date: 4/2/05  
 Page: 1 of 8  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3666

### As Per Table 2-1 in QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382

Attention: Jill Brandenberge

Observations, Instruction:

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Testing Parameters														No. of containers	Observations, Instructions				
				Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury		Organics	PEST	StationID	Storm#	Jar#
	T1308-A	3/31/05 1849	W																1	BI-SBC	2005Mar312	1	100
	T1308-B	4/1/05 0049	W																1	BI-SBC		2	100
	T1308-C	4/1/05 0649	W																1	BI-SBC	↓	3	100
	T1308-D	4/1/05 1249	W																1	BI-SBC		4	10
	Composite T1308			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		TME 395	DME 396	ORG 447	

Relinquished by: J. Gaudette 1500 4/1/05  
 Signature Date Time  
J. Gaudette TEC  
 Printed Name Company

Received by: C. Gaudette 4/1/05 1500  
 Signature Date Time  
C. Gaudette MSL  
 Printed Name Company

Total # of Containers  
 Shipment Method:  
 Special Requirements or Conditions:  
 Sample Disposition:

Relinquished by:  
 Signature Date Time  
 Printed Name Company

Received by:  
 Signature Date Time  
 Printed Name Company

Distribution:  
 1) 2 copies to the Laboratory  
 2) 1 copy to project manager  
 3) Return completed original to Battelle Marine Sciences Laboratory



Date: 4/2/05  
Page: 2 of 8  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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Date: 4/2/05  
Page: 3 of 8  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

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Date: 4/2/05  
Page: 4 of 8  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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Date: 4/2/05  
Page: 5 of 8  
COC Number:

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project No.: 43043				<b>As Per Table 2-1 in QAPP</b>														Laboratory: Battelle MSL																	
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road																	
Project Manager: Martin C. Miller																		Sequim, WA 98382																	
Phone: (360) 681-3666				Testing Parameters														Observations, Instruction:																	
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full										
	T1312-A	3/31/05 1819	W																		1	CH	2005Mar312	1	100										
	T1312-B	4/1/05 0619	W																		1	CH		2	100										
	T1312-C	4/1/05 0619	W																		1	CH		3	70										
	T1312-D		W																			CH		4											
	composite T1312					X	X	X	X	X	X	X	X	X	X	X	X	X				IME 403	DME 404												
Relinquished by: J. Gaudette Signature J. Gaudette Printed Name				Date 4/1/05 TEC Company				Time 1500				Received by: C. Suslick Signature C. Suslick Printed Name				Date 4/1/05 MSL Company				Time 1500				Total # of Containers											
Relinquished by:				Signature				Date				Time				Received by:				Signature				Date				Time				Shipment Method:			
Relinquished by:				Signature				Date				Time				Received by:				Signature				Date				Time				Special Requirements or Conditions:			
Relinquished by:				Signature				Date				Time				Received by:				Signature				Date				Time				Sample Disposition:			
Relinquished by:				Signature				Date				Time				Received by:				Signature				Date				Time				Distribution:			
Relinquished by:				Signature				Date				Time				Received by:				Signature				Date				Time				1) 2 copies to the Laboratory			
Relinquished by:				Signature				Date				Time				Received by:				Signature				Date				Time				2) 1 copy to project manager			
Relinquished by:				Signature				Date				Time				Received by:				Signature				Date				Time				3) Return completed original to			
Relinquished by:				Signature				Date				Time				Received by:				Signature				Date				Time				Battelle Marine Sciences Laboratory			

Date: 4/2/05  
Page: 6 of 8  
COC Number: \_\_\_\_\_

**Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382**

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# SAMPLE CHAIN OF CUSTODY FORM

Date: 4/12/05  
 Page: 7 of 8  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

Project No.: 43043  Project Name: TMDL in Sinclair & Dyes Inlets  Project Manager: Martin C. Miller  Phone: (360) 681-3668	<b><u>As Per Table 2-1 in QAPP</u></b>	Laboratory: Battelle MSL Address: 1529 W. Sequim Bay Road Sequim, WA 98382  Attention: Jill Brandenberge
--	--	--

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1314-A	3/31/05 1907	W																		1	B-ST12	2005 Mar 31 2	1	100
	T1314-B	3/31/05 2207	W																		1	B-ST12	↓	2	100
	T1314-C	4/1/05 0107	W																		1	B-ST12		3	100
	T1314-D	4/1/05 0407	W																		1	B-ST12		4	95
	T1314-E	4/1/05 0707	W																		1	B-ST12		5	80
	<del>T1314-F</del>		<del>W</del>																			<del>B-ST12</del>			<del>6</del>
	<del>T1314-G</del>		<del>W</del>																			<del>B-ST12</del>		<del>7</del>	
	<del>T1314-H</del>		<del>W</del>																			<del>B-ST12</del>		<del>8</del>	
	Composite T1314				X	X	Y	X	Y	X	X	X	X	Y	X	X	X	X	X			TME 393	DME 394	ORG 446	

Relinquished by: <u>J. Gaudette</u> Signature <u>J. Gaudette</u> Printed Name Company	<u>4/1/05</u> Date Time TEC	Received by: <u>C. Sullivan</u> Signature <u>C. Sullivan</u> Printed Name Company	<u>4/1/05</u> Date Time MSL	Total # of Containers Shipment Method: Special Requirements or Conditions:  Sample Disposition: Distribution: 1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory
--	--------------------------------------	--	--------------------------------------	---

Date: 4/2/05  
Page: 8 of 8  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project No.: 43043			<b>As Per Table 2-1 in QAPP</b>															Laboratory: Battelle MSL								
Project Name: TMDL in Sinclair & Dyes Inlets																		Address: 1529 W. Sequim Bay Road								
Project Manager: Martin C. Miller																		Sequim, WA 98382								
Phone: (360) 681-3668			Testing Parameters															Observations, Instructions:								
Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISSST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST	No. of containers	Station ID	Storm#	Grab#	TIME	DME	
	T1315-A	3/31/05 1750	W	X	X	X	X	X					X	X	X	X					1	B-ST01	2005 Mar 31	1	405	406
	T1315-B	4/1/05 0030	W	X	X	X	X	X					X	X	X	X					1	B-ST01	↓	2	407	408
	T1315-C	4/1/05 0955	W	X	X	X	X	X					X	X	X	X					1	B-ST01	↓	3	409	410
	Composite T1315									X	X	X	X				X	X	X			Hg 401	ORG 452			
Relinquished by: J. Gaudette				Received by: C. Suslik																	Total # of Containers					
Signature: J. Gaudette				Signature: C. Suslik																	Shipment Method:					
Date: 4/1/05				Date: 4.1.05																	Special Requirements or Conditions:					
Time: 1500				Time: 1500																	Sample Disposition:					
TEC				MSC																	Distribution:					
Printed Name: J. Gaudette				Printed Name: C. Suslik																	1) 2 copies to the Laboratory					
Company:				Company:																	2) 1 copy to project manager					
Relinquished by:				Received by:																	3) Return completed original to Battelle Marine Sciences Laboratory					
Signature:				Signature:																						
Date:				Date:																						
Time:				Time:																						
Printed Name:				Printed Name:																						
Company:				Company:																						

P. 1



Date: 4/11/05  
Page: 1 of 1  
COC Number: \_\_\_\_\_

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

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## LOG-IN CHECKLIST

FY05 SD Inlet Storms Equipment Blanks

Reference SOP# MSL-A-001

Central File #: New 2318 Sample No(s): 1 and 3Project Manager: JMB

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: waterWP# F55746

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Navy-type Project (requires high-level sample tracking procedures)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Filter Samples: <u>Amount:</u> <u>Entire sample</u> <u>Half of sample</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Special instructions: <u>composite and aliquot for ORG/MET</u>

Sample Preservation Instructions:

MET = 0.2% HNO<sub>3</sub>

Date To Archive: \_\_\_\_\_

Date To Dispose: \_\_\_\_\_

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was a custody seal present?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the custody seal intact?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was cooler(s) temperature(s) within acceptable range of $4 \pm 2^\circ\text{C}$ ? <u>4.2</u> °C (if multiple coolers, note temp. of each) _____ °C
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy: _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were <u>all</u> chain of custody forms signed and dated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain): \_\_\_\_\_

Container type:

TeflonPolyGlassSpex

Other: \_\_\_\_\_

Notes: \_\_\_\_\_

Completed By: JMBDate/Time: 12/3/04 1630

## SAMPLE PRESERVATION

<input checked="" type="checkbox"/>	Sample(s) were preserved at MSL
<input type="checkbox"/>	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
<input type="checkbox"/>	Random pH checked for ~10% of samples (use dip paper) Sample IDs: _____
<input type="checkbox"/>	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type: <input checked="" type="checkbox"/>	0.2% HNO <sub>3</sub>	Notes: <u>Lot# 1203030</u>
<input type="checkbox"/>	0.5% HCl (Hg samples)	Notes: _____
<input type="checkbox"/>	Refrigerate/Freeze	Notes: _____
<input type="checkbox"/>	Other	Notes: _____

Completed By: JMBDate/Time: 12/3/04 1630

## LOG-IN CHECKLIST

Worst FY05 storm 1 soInlet

Reference SOP# MSL-A-001

Central File #: 2318

Sample No(s): 4-71

Project Manager: J. BRANDEN BERGER

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: <u>stormwater</u>		WP# <u>F55746</u>
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Navy-type Project (requires high-level sample tracking procedures)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Filter Samples: <u>Amount:</u> <u>Entire sample</u> <u>Half of sample</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Special instructions: <u>composite</u>
Sample Preservation Instructions: <u>0.2% HNO<sub>3</sub></u>		
Date To Archive: _____ Date To Dispose: _____		

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was a custody seal present?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the custody seal intact?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was cooler(s) temperature(s) within acceptable range of $4 \pm 2^\circ\text{C}$ ? <u>see back</u> $^\circ\text{C}$ (if multiple coolers, note temp. of each) $^\circ\text{C}$
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy: _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were <u>all</u> chain of custody forms signed and dated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain): \_\_\_\_\_

Container type:

TeflonPolyGlass

Spex

Other: \_\_\_\_\_

Notes: \_\_\_\_\_

Completed By: [Signature]Date/Time: 1/18/05 1645

## SAMPLE PRESERVATION

<input checked="" type="checkbox"/>	Sample(s) were preserved at MSL
<input type="checkbox"/>	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
<input type="checkbox"/>	Random pH checked for ~10% of samples (use dip paper) Sample IDs: _____
<input type="checkbox"/>	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type: <input checked="" type="checkbox"/>	0.2% HNO <sub>3</sub>	Notes: <u>LOT# 1203030 OPTIMA</u>
<input type="checkbox"/>	0.5% HCl (Hg samples)	Notes: _____
<input type="checkbox"/>	Refrigerate/Freeze	Notes: _____
<input type="checkbox"/>	Other	Notes: _____

Completed By: [Signature]Date/Time: 1/18/05 23:00

L4D (4, 6, 10, 30, 38, 69, 70)

K4A (14-19, 29-31, 42-47, 57-59)

L4C (5, 12, 20-22, 24, 26, 27-28, 33, 40, 48-50, 52, 54, 56, 64, 68)

Cooler #1

Temp °C  
1.4

Fats

2	1.7
3	1.3
4	2.1
5	1.5
6	2.5
7	3.4
8	1.6
9	2.3
10	3.1
11	1.5
12	3.2
13	2.1
14	1.2
15	2.2
16	1.2
17	1.2
18	1.5
19	1.3
20	1.3
21	1.4
22	2.1
<del>23</del>	

## LOG-IN CHECKLIST

Gorst Event 2

131

Reference SOP# MSL-A-001

Central File #: 2318

Sample No(s):

72-127

Project Manager: J. BRANDENBERGER

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: water

WP#

Yes

No

☐☒

Navy-type Project (requires high-level sample tracking procedures)

☒☐

Filter Samples:

Amount:

Entire sample

Half of sample

☐☒

Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)

☒☐

Special instructions:

Composite

Sample Preservation Instructions:

0.2% HNO<sub>3</sub>

Date To Archive:

Date To Dispose:

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes

No

N/A

Indicate in Appropriate Box

☐☐☒

Was a custody seal present?

☐☐☒

Was the custody seal intact?

☒☐☐Was cooler(s) temperature(s) within acceptable range of  $4 \pm 2^\circ\text{C}$ ? see back of sheet °C  
(if multiple coolers, note temp. of each)☐☐☒Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)?  
Comment/Remedy:☒☐☐Were all chain of custody forms signed and dated?☒☐☐

Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain):

Container type:

TeflonPolyGlass

Spex

Other:

Notes:

Completed By: J. Brandenberger for RW

Date/Time:

1/30/05

## SAMPLE PRESERVATION

☐

Sample(s) were preserved at MSL

☐

Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)

☐

Random pH checked for ~10% of samples (use dip paper)

Sample IDs:

☐

Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:

☒0.2% HNO<sub>3</sub>

Notes:

OPTIMA LOT# 1203080☐

0.5% HCl (Hg samples)

Notes:

☐

Refrigerate/Freeze

Notes:

☐

Other

Notes:

Completed By: P. Wassel

Date/Time:

1/23/05 16:00Storage LSC (#72-78, 80-89, 93-96, )LSD (#97-106, 108-117, 121-127)

COOLER#

TEMP °C

1

1.6

2

1.4

3

1.4

4

1.6

5

1.3

6

1.4

7

1.6

8

1.3

9

1.6

10

1.4

11

1.2

## LOG-IN CHECKLIST

ENWEST Marine 1200501

Reference SOP# MSL-A-001

Central File #: 2318

Sample No(s): 132 - 159

Project Manager: nmr

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: <u>seawater</u>		WP#
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Navy-type Project (requires high-level sample tracking procedures)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Filter Samples: <u>Amount:</u> <u>Entire sample</u> <u>Half of sample</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Special instructions: <u>split for DOC/TOC</u>
Sample Preservation Instructions: <u>0.2% HNO<sub>3</sub></u>		
Date To Archive: _____ Date To Dispose: _____		

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was a custody seal present?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the custody seal intact?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was cooler(s) temperature(s) within acceptable range of $4 \pm 2^\circ\text{C}$ ? <u>5.0 and 4.5</u> $^\circ\text{C}$ (if multiple coolers, note temp. of each) $^\circ\text{C}$
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy: _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were <u>all</u> chain of custody forms signed and dated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain):

Container type:

TeflonPoly

Glass

Spex

Other: \_\_\_\_\_

Notes: \_\_\_\_\_

Completed By: nmrDate/Time: 2/9/05 1610

## SAMPLE PRESERVATION

<input checked="" type="checkbox"/>	Sample(s) were preserved at MSL
<input type="checkbox"/>	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
<input type="checkbox"/>	Random pH checked for ~10% of samples (use dip paper) Sample IDs: _____
<input type="checkbox"/>	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type: <input checked="" type="checkbox"/>	0.2% HNO <sub>3</sub>	Notes: <u>Optima Lot # 1203080</u>
<input type="checkbox"/>	0.5% HCl (Hg samples)	Notes: _____
<input type="checkbox"/>	Refrigerate/Freeze	Notes: _____
<input type="checkbox"/>	Other	Notes: _____

Completed By: nmrDate/Time: 2/9/05 1010for R Wood2/10/05storage: 1302-152 K6C  
153-159 JSD

## LOG-IN CHECKLIST

SD/Inlet F405 Storm 3 - Sinclair I

Reference SOP# MSL-A-001

Central File #: 2318

Sample No(s): 160-238

Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)	
Matrix:	water
WP#	F55746
Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
Navy-type Project (requires high-level sample tracking procedures)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filter Samples: Amount: Entire sample Half of sample	
<input type="checkbox"/>	<input checked="" type="checkbox"/>
Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Special instructions: Composite	
Sample Preservation Instructions:	
Date To Archive:	Date To Dispose:

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was a custody seal present?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the custody seal intact?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was cooler(s) temperature(s) within acceptable range of $4 \pm 2^\circ\text{C}$ ? (if multiple coolers, note temp. of each)
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were <u>all</u> chain of custody forms signed and dated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain):

Container type:

Teflon

Poly

Glass

Spex

Other:

Notes:

Completed By: JMB

Date/Time: 3/2/05 0930

## SAMPLE PRESERVATION

<input checked="" type="checkbox"/>	Sample(s) were preserved at MSL
<input type="checkbox"/>	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
<input type="checkbox"/>	Random pH checked for ~10% of samples (use dip paper) Sample IDs:
<input type="checkbox"/>	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type: <input checked="" type="checkbox"/>	0.2% HNO <sub>3</sub>	Notes: OPTIMA LOT# 1202080
<input type="checkbox"/>	0.5% HCl (Hg samples)	Notes:
<input type="checkbox"/>	Refrigerate/Freeze	Notes:
<input type="checkbox"/>	Other	Notes:

Completed By: JMB

Date/Time: 3/2/05 17:50

Storage

R Floor B # 184 → 203  
 L Floor B # 160 → 183  
 L Floor C # 222 → 236  
 L Floor D # 204 → 27.1



Cooler ID

temp

KAR-WWTP-Grab 1-3

B-WWTP-Grabs Samples 1-3

B-st 28 Jaro 1-3

Grabs WS-DOT 1A 1-3

2 1-3

3 1-3

PSNS 015, Jwb 617/PSNS 124 Jars 1 & 2

PSNS 124 Jan 7 only / PSNS 126 Jans 1-3

303

PNS 124 Jars 3-6

PSNS Jar 3,4,5

B-st/CS016 Jars 6 $\frac{1}{2}$ 7 / PSNS 015 Jars 1 $\frac{1}{2}$ 2

B-St 28 Vars 4, 6, 8 B-St / CS 016 Jar 1

Cooler # 58

BL Jar 4/OC Jars 1-3

B-st/CS016 Jars 2-5

FY05

sinclair storm 2

## LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 2318

Sample No(s): 247-320

Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)			
Matrix: <u>water</u>		WP# _____	
Yes	No		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Navy-type Project (requires high-level sample tracking procedures)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Filter Samples: <u>Amount</u>	Entire sample      Half of sample
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Special instructions: <u>composite, split</u>	
Sample Preservation Instructions: <u>0.2% HNO<sub>3</sub> for metals</u>			
Date To Archive: _____		Date To Dispose: _____	

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was a custody seal present?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the custody seal intact?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was cooler(s) temperature(s) within acceptable range of $4 \pm 2^\circ\text{C}$ ? <span style="float: right;">°C</span> (if multiple coolers, note temp. of each) <span style="float: right;">°C</span>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy: _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were <u>all</u> chain of custody forms signed and dated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain): \_\_\_\_\_

Container type:

TeflonPolyGlass

Spex

Other: \_\_\_\_\_

Notes: \_\_\_\_\_

Completed By: JMBDate/Time: 3/21/05 1911

## SAMPLE PRESERVATION

<input type="checkbox"/>	Sample(s) were preserved at MSL
<input type="checkbox"/>	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
<input type="checkbox"/>	Random pH checked for ~10% of samples (use dip paper)      Sample IDs: _____
<input type="checkbox"/>	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type: <input checked="" type="checkbox"/>	0.2% HNO <sub>3</sub>	Notes: <u>OPTIMA Nitric Lot# 1203080</u>
<input type="checkbox"/>	0.5% HCl (Hg samples)	Notes: _____
<input type="checkbox"/>	Refrigerate/Freeze	Notes: _____
<input type="checkbox"/>	Other	Notes: _____

Completed By: R. WoodDate/Time: 3/21/05 17:003/22/05 09:30

Storage: 2318(239-259) K2C  
 2318(260-279) K1B  
 2318(280-290) K1A  
 2318(291-300) K1A  
 2318(301-320) K1A

## LOG-IN CHECKLIST

FY05 SD Inlet Dyes Storm 1

Reference SOP# MSL-A-001

Central File #: 2318

Sample No(s): 321-389, 371-389 Project Manager: Jmr3

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)	
Matrix:	water
WP#	
Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
Navy-type Project (requires high-level sample tracking procedures)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filter Samples: Amount: Entire sample Half of sample	
<input type="checkbox"/>	<input checked="" type="checkbox"/>
Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Special instructions: composite / split	
Sample Preservation Instructions: metals 0.2% HNO <sub>3</sub>	
Date To Archive: Date To Dispose:	

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was a custody seal present?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the custody seal intact?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was cooler(s) temperature(s) within acceptable range of $4 \pm 2^\circ\text{C}$ ? see CoCs $^\circ\text{C}$ (if multiple coolers, note temp. of each) $^\circ\text{C}$
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)?
Comment/Remedy:			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were <u>all</u> chain of custody forms signed and dated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were samples filtered at MSL?
Sample condition(s): Acceptable Other (explain):			
Container type: Teflon Poly Glass Spex Other:			
Notes:			

Completed By: Jmr3

Date/Time: 3/27/05 1302

## SAMPLE PRESERVATION

<input checked="" type="checkbox"/>	Sample(s) were preserved at MSL
<input type="checkbox"/>	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
<input type="checkbox"/>	Random pH checked for ~10% of samples (use dip paper) Sample IDs:
<input type="checkbox"/>	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type: <input checked="" type="checkbox"/>	0.2% HNO <sub>3</sub>	Notes: OPT, HA LOT# 1203080
<input type="checkbox"/>	0.5% HCl (Hg samples)	Notes:
<input type="checkbox"/>	Refrigerate/Freeze	Notes:
<input type="checkbox"/>	Other	Notes:

Completed By: R. Reed

Date/Time: 3/27/05 17:20

Storage: JIC (321-324, 327-334, 337-339)  
IIB (340-342)

marine 4 (Dyes of storm)

LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 2318

Sample No(s): 343-370

Project Manager: J. BRANDEN BERGIER

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)	
Matrix:	seawater
WP#	
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Navy-type Project (requires high-level sample tracking procedures)	
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Filter Samples:	Amount: Entire sample Half of sample
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)	
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Special instructions:	split / filter / preserve
Sample Preservation Instructions: 0.2% HNO <sub>3</sub>	
Date To Archive:	Date To Dispose:

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was a custody seal present?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the custody seal intact?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was cooler(s) temperature(s) within acceptable range of $4 \pm 2^\circ\text{C}$ ? see CoC $^\circ\text{C}$ (if multiple coolers, note temp. of each) $^\circ\text{C}$
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were all chain of custody forms signed and dated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain):

Container type:

Teflon

Poly

Glass

Spex

Other:

Notes:

Completed By: JMBren

Date/Time: 3/28/05 1411

SAMPLE PRESERVATION

<input checked="" type="checkbox"/>	Sample(s) were preserved at MSL
<input type="checkbox"/>	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
<input type="checkbox"/>	Random pH checked for ~10% of samples (use dip paper) Sample IDs:
<input type="checkbox"/>	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type: <input checked="" type="checkbox"/>	0.2% HNO <sub>3</sub>	Notes: OPTIMA Lot# 1203080
<input type="checkbox"/>	0.5% HCl (Hg samples)	Notes:
<input type="checkbox"/>	Refrigerate/Freeze	Notes:
<input type="checkbox"/>	Other	Notes:

Completed By: J. Kavel

Date/Time: 3/28/05 17:20

Storage: J2B (335, 336, 343-354)  
I4C (355-363)  
T2C (364-370)

## LOG-IN CHECKLIST

SO Inlet Wet Season 2005

Reference SOP# MSL-A-001

Central File #: 2318

select samples:

Sample No(s): 453-482, 504-511

Project Manager: jmvz

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: water

WP#

Yes

No

☐☒

Navy-type Project (requires high-level sample tracking procedures)

☒☐

Filter Samples:

Amount:

Entire sample

Half of sample

☐☒

Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)

☒☐

Special instructions:

split samples

Sample Preservation Instructions:

metals: 0.2% HNO<sub>3</sub>

Date To Archive:

Date To Dispose:

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes

No

N/A

Indicate in Appropriate Box

☐☐☒

Was a custody seal present?

☐☐☒

Was the custody seal intact?

☒☐☐Was cooler(s) temperature(s) within acceptable range of  $4 \pm 2^\circ\text{C}$ ? 4.0, 4.8, 2.9 °C  
(if multiple coolers, note temp. of each) 4.1 °C☐☐☒Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)?  
Comment/Remedy:☒☐☐

Were all chain of custody forms signed and dated?

☒☐☐

Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain):

Container type:

Teflon

Poly

Glass

Spex

Other:

Notes: Hand delivered by TEC

Completed By: jmvz

Date/Time: 3/31/05 1930

## SAMPLE PRESERVATION

☒

Sample(s) were preserved at MSL

☐

Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)

☐

Random pH checked for ~10% of samples (use dip paper)

Sample IDs:

☐

Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:

☒0.2% HNO<sub>3</sub>

Notes: 1203080

☐

0.5% HCl (Hg samples)

Notes:

☐

Refrigerate/Freeze

Notes:

☐

Other

Notes:

Completed By: jmvz

Date/Time: 4/1/05

# Ayes Storm 2

## LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 391-412, 44 Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)	
Matrix: <u>water</u>	WP# _____
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Navy-type Project (requires high-level sample tracking procedures)
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Filter Samples: <u>Amount:</u> <u>Entire sample</u> <u>Half of sample</u>
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Special instructions: <u>composite</u>
Sample Preservation Instructions: <u>SW6 Bottles 2-3-4-5 - (1.12)</u>	
Date To Archive: _____	Date To Dispose: <u>SW6 Bottles 1-2-3 - (1.4)</u>

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN		
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Indicate in Appropriate Box	
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	Was a custody seal present?	CC - Bottles 1-2-3 - (2.0)
<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Was the custody seal intact?	B-ST12 Bottles 4,5 - (1.1)
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Was cooler(s) temperature(s) within acceptable range of $\pm 2^{\circ}\text{C}$ ? (if multiple coolers, note temp. of each)	Ecology - (2.0)
<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)?	CH Bottles 1-2-3 - (1.1)
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Were <u>all</u> chain of custody forms signed and dated?	#19 - (2.0)
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Were samples filtered at MSL?	BI-SBC Bottles 3,4 - (1.5)
Sample condition(s): <u>Acceptable</u> Other (explain): _____		SC-Bottles 1,2,3 - (1.1)
Container type: <u>Teflon</u> <u>Poly</u> <u>Glass</u> <u>Spex</u> Other: _____		BA Bottles 1-2-3 - (2.4)
Notes: <u>all coolers well packed in ice - if temps low due to ice contact</u>		BSTDI-Grb1,2 - (3.2)
Completed By: <u>Gjmsk</u> Date/Time: <u>4/1/05 1530</u>		

SAMPLE PRESERVATION	
<input checked="" type="checkbox"/>	Sample(s) were preserved at MSL
<input type="checkbox"/>	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
<input type="checkbox"/>	Random pH checked for ~10% of samples (use dip paper) Sample IDs: _____
<input type="checkbox"/>	Complete pH check required for project (use pH meter and record on pH Record form)
If preservation necessary, record Acid Lot#	
Type: <input checked="" type="checkbox"/> 0.2% HNO <sub>3</sub>	Notes: <u>OPTIMA LOT # 1203080</u>
<input type="checkbox"/> 0.5% HCl (Hg samples)	Notes: _____
<input type="checkbox"/> Refrigerate/Freeze	Notes: _____
<input type="checkbox"/> Other	Notes: _____

Completed By: B. Wood Date/Time: 4/2/05 12:15

Storage L - 1 - C

## LOG-IN CHECKLIST

Sindair Inlet make up Event <sup>due to duplicate codes 4/26/05</sup>  
- Added Reference SOP# MSL-A-001

Central File #: 2318

Sample No(s): 453-455B

Project Manager: Jmz

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Yes	No	Matrix: <u>stormwater</u>	WP#
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Navy-type Project (requires high-level sample tracking procedures)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Filter Samples: <u>Amount:</u> <u>Entire sample</u> <u>Half of sample</u>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Special instructions: <u>composite / split / preserve</u>	
Sample Preservation Instructions:		<u>see SAP</u>	
Date To Archive:		Date To Dispose:	

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was a custody seal present?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the custody seal intact?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was cooler(s) temperature(s) within acceptable range of $4 \pm 2^\circ\text{C}$ ? <u>4.0</u> $^\circ\text{C}$ (if multiple coolers, note temp. of each) $^\circ\text{C}$
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were <u>all</u> chain of custody forms signed and dated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were samples filtered at MSL?

Sample condition(s):

Acceptable Other (explain):

Container type:

Teflon Poly Glass Spex Other:

Notes:

Completed By: JmzDate/Time: 4/11/05 1055

## SAMPLE PRESERVATION

<input checked="" type="checkbox"/>	Sample(s) were preserved at MSL
<input type="checkbox"/>	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
<input type="checkbox"/>	Random pH checked for ~10% of samples (use dip paper) Sample IDs: _____
<input type="checkbox"/>	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type: <input checked="" type="checkbox"/>	0.2% HNO <sub>3</sub>	Notes: <u>OPTIMA NITRIC LOT# 1203080</u>
<input type="checkbox"/>	0.5% HCl (Hg samples)	Notes: _____
<input type="checkbox"/>	Refrigerate/Freeze	Notes: _____
<input type="checkbox"/>	Other	Notes: _____

Completed By: ewoodDate/Time: 4/11/05 16500

Storage: I-1-B

metals 454 + 455B

Org 453

## Legend - FY05 Sinclair (CF# 2318) Login

### **TYPE CODE:**

FC	flow composite from ISSCO Samples
EC-I	equal ratios composite of time composited ISSCO Samples
EC-G	equal ratios composite of grab samples
G	Grab sample
D	Discrete sample collected from one jar of the time compositing ISSCO sampler
EM	Event Mean

### **MATRIX CODE:**

STW	Stream Water
MW	Marine Water
SW	Stormwater Outfall
SED	Sediment
TISS	Tissue
EB	Equipment Blank Water



cc: Project Manager/Central File  
Login File

2318

**SAMPLE LOGIN**  
(SOP# MSL-A-001)

Project Manager: Brandenberger  
Date Received: 12/03/04  
Batch: 1

PROJECT: TMDL in Sinclair & Dyes Inlets

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	Type
BST12-RB*	BST12-RB	2318-1	EB	raw water	Prep Lab L-3-B	Total Metals, Hg	12/03/04	MLFM	EC-I
BST12-RB*	BST12-RB	2318-2	EB	filt. water	Prep Lab L-3-B	Dissolved Metals	12/03/04	MLFM	EC-I
BST12-RB*	BST12-RB	2318-3	EB	raw water	Outside Refrigerator	Organics	12/03/04	MLFM	EC-I

\*Composit of Samples BST12-RB-1,2,3 & 4. Made into one sample and divided into 3 samples (sample 2 being filtered), for the various analysis.

**SAMPLE LOGIN**

(SOP# MSL-A-001)

Project Manager: Brandenberger

Date Received: 01/19/05

Batch: 2

PROJECT: FY05 Gorst Storm 1

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	Type
T1100	LMK136	2318-4	SW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	FC
T1101	GC	2318-5	STW	raw water	Prep Lab L-4-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-I
T1102	GC-SAN	2318-6	STW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-I
T1103	AC	2318-7	STW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-I
T1104	LMK122	2318-8	SW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	FC
T1105	LMK038	2318-9	SW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	FC
T1106	PO-POBLVD	2318-10	SW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	FC
G1101	KAR-WWTP	2318-12	WWTP	raw water	Prep Lab L-4-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-G
G1103-A	AC-LOW	2318-14	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1103-B	AC-LOW	2318-15	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1103-C	AC-LOW	2318-16	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1104-A	GC-M	2318-17	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1104-B	GC-M	2318-18	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1104-C	GC-M	2318-19	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1105-A	WADOT-01A	2318-20	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1105-B	WADOT-01A	2318-21	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1105-C	WADOT-01A	2318-22	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1106-B	WADOT-01B	2318-24	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1107-A	WADOT-02	2318-26	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1107-B	WADOT-02	2318-27	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1107-C	WADOT-02	2318-28	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1108-A	WADOT-03	2318-29	SW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1108-B	WADOT-03	2318-30	SW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1108-C	WADOT-03	2318-31	SW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
T1100	LMK136	2318-32	SW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	FC
T1101	GC	2318-33	STW	filt. water	Prep Lab L-4-C	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-I
T1102	GC-SAN	2318-34	STW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-I
T1103	AC	2318-35	STW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-I
T1104	LMK122	2318-36	SW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	FC
T1105	LMK038	2318-37	SW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	FC
T1106	PO-POBLVD	2318-38	SW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	FC
G1101	KAR-WWTP	2318-40	WWTP	filt. water	Prep Lab L-4-C	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-G
G1103-A	AC-LOW	2318-42	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1103-B	AC-LOW	2318-43	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1103-C	AC-LOW	2318-44	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G

**SAMPLE LOGIN**

(SOP# MSL-A-001)

Project Manager: Brandenberger

Date Received: 01/19/05

Batch: 2

PROJECT: FY05 Gorst Storm 1

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	Type
G1104-A	GC-M	2318-45	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1104-B	GC-M	2318-46	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1104-C	GC-M	2318-47	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1105-A	WADOT-01A	2318-48	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1105-B	WADOT-01A	2318-49	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1105-C	WADOT-01A	2318-50	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1106-B	WADOT-01B	2318-52	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1107-A	WADOT-02	2318-54	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1107-B	WADOT-02	2318-55	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1107-C	WADOT-02	2318-56	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1108-A	WADOT-03	2318-57	SW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1108-B	WADOT-03	2318-58	SW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1108-C	WADOT-03	2318-59	SW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
T1100	LMK136	2318-60	SW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	FC
T1102	GC-SAN	2318-62	STW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	EC-I
T1103	AC	2318-63	STW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	EC-I
T1104	LMK122	2318-64	SW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	FC
T1105	LMK038	2318-65	SW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	FC
T1106	PO-POBLVD	2318-66	SW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	FC
G1105-B-Dup	WA-DOT-01A	2318-67	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1105-B-Dup	WA-DOT-01A	2318-68	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
T1114	AC-DUP	2318-69	STW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-I
T1114	AC-DUP	2318-70	STW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-I
T1114	AC-DUP	2318-71	STW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	EC-I

**SAMPLE LOGIN**  
(SOP# MSL-A-001)

Project Manager: Brandenberger

Date Received: 01/24/05

Batch: 3

PROJECT: FY05 Gorst Storm 2

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	TYPE
T1107	LMK 136	2318-72	SW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	FC
T1108	GC	2318-73	STW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	EC-I
T1109	GC-SAN	2318-74	STW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	EC-I
T1111	LMK 122	2318-75	SW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	FC
T1112	LMK 038	2318-76	SW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	FC
T1113	PO-POBLVD	2318-77	SW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	FC
T1115	AC-DUP	2318-78	STW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	EC-I
T1110	KAR-WWTP	2318-80	WWTP	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	EC-G
G1112-A	AC-LOW	2318-81	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1112-B	AC-LOW	2318-82	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1112-C	AC-LOW	2318-83	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1113-A	GC-M	2318-84	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1113-B	GC-M	2318-85	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1113-C	GC-M	2318-86	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1114-A	WADOT-01A	2318-87	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1114-B	WADOT-01A	2318-88	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1114-C	WADOT-01A	2318-89	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1116-A	WADOT-02	2318-93	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1116-B	WADOT-02	2318-94	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1116-C	WADOT-02	2318-95	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1117-A	WADOT-03	2318-96	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1117-B	WADOT-03	2318-97	SW	raw water	Prep Lab I-5-D	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1117-C	WADOT-03	2318-98	SW	raw water	Prep Lab I-5-D	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1112-A DUP	AC-LOW	2318-99	STW	raw water	Prep Lab I-5-D	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
T1107	LMK 136	2318-100	SW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	FC
T1108	GC	2318-101	STW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	EC-I
T1109	GC-SAN	2318-102	STW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	EC-I
T1111	LMK 122	2318-103	SW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	FC
T1112	LMK 038	2318-104	SW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	FC
T1113	PO-POBLVD	2318-105	SW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	FC
T1115	AC-DUP	2318-106	STW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	EC-I
T1110	KAR-WWTP	2318-108	WWTP	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	EC-G

**SAMPLE LOGIN**  
(SOP# MSL-A-001)

Project Manager: Brandenberger

Date Received: 01/24/05

Batch: 3

PROJECT: FY05 Gorst Storm 2

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	TYPE
G1112-A	AC-LOW	2318-109	STW	filt.water	Prep Lab I-5-C	Cu, Zn	01/22/05	MLFM	G
G1112-B	AC-LOW	2318-110	STW	filt.water	Prep Lab I-5-C	Cu, Zn	01/22/05	MLFM	G
G1112-C	AC-LOW	2318-111	STW	filt.water	Prep Lab I-5-C	Cu, Zn	01/22/05	MLFM	G
G1113-A	GC-M	2318-112	STW	filt.water	Prep Lab I-5-C	Cu, Zn	01/22/05	MLFM	G
G1113-B	GC-M	2318-113	STW	filt.water	Prep Lab I-5-C	Cu, Zn	01/22/05	MLFM	G
G1113-C	GC-M	2318-114	STW	filt.water	Prep Lab I-5-C	Cu, Zn	01/22/05	MLFM	G
G1114-A	WADOT-01A	2318-115	SW	filt.water	Prep Lab I-5-C	Cu, Zn	01/22/05	MLFM	G
G1114-B	WADOT-01A	2318-116	SW	filt.water	Prep Lab I-5-C	Cu, Zn	01/22/05	MLFM	G
G1114-C	WADOT-01A	2318-117	SW	filt.water	Prep Lab I-5-C	Cu, Zn	01/22/05	MLFM	G
G1116-A	WADOT-02	2318-121	SW	filt.water	Prep Lab I-5-D	Cu, Zn	01/22/05	MLFM	G
G1116-B	WADOT-02	2318-122	SW	filt.water	Prep Lab I-5-D	Cu, Zn	01/22/05	MLFM	G
G1116-C	WADOT-02	2318-123	SW	filt.water	Prep Lab I-5-D	Cu, Zn	01/22/05	MLFM	G
G1117-A	WADOT-03	2318-124	SW	filt.water	Prep Lab I-5-D	Cu, Zn	01/22/05	MLFM	G
G1117-B	WADOT-03	2318-125	SW	filt.water	Prep Lab I-5-D	Cu, Zn	01/22/05	MLFM	G
G1117-C	WADOT-03	2318-126	SW	filt.water	Prep Lab I-5-D	Cu, Zn	01/22/05	MLFM	G
G1112-A DUP	AC-LOW	2318-127	STW	filt.water	Prep Lab I-5-D	Cu, Zn	01/22/05	MLFM	G
T1107	LMK 136	2318-128	SW	raw water	Outside Refrigerator	Organics	01/22/05	MLFM	FC
T1111	LMK 122	2318-129	SW	raw water	Outside Refrigerator	Organics	01/22/05	MLFM	FC
T1112	LMK 038	2318-130	SW	raw water	Outside Refrigerator	Organics	01/22/05	MLFM	FC
T1113	PO-POBLVD	2318-131	SW	raw water	Outside Refrigerator	Organics	01/22/05	MLFM	FC

**SAMPLE LOGIN**  
(SOP# MSL-A-001)

Project Manager: Brandenberger  
Date Received: 02/09/05  
Batch: 4

PROJECT: FY05 Sinclair/Dyes Inlet Marine 1 - ENV200501

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	TYPE
M4100	P3	2318-132	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4100	P3	2318-133	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4101	P2	2318-134	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4101	P2	2318-135	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4102	P2-dup	2318-136	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4102	P2-dup	2318-137	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4103	P1	2318-138	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4103	P1	2318-139	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4104	M4	2318-140	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn, and Hg	02/09/05	MLFM	G
M4104	M4	2318-141	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4105	M3.3	2318-142	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4105	M3.3	2318-143	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4106	SN12	2318-144	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4106	SN12	2318-145	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4107	BJ-EST	2318-146	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4107	BJ-EST	2318-147	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4108	M3.1	2318-148	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn, and Hg	02/09/05	MLFM	G
M4108	M3.1	2318-149	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4109	M6	2318-150	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn, and Hg	02/09/05	MLFM	G
M4109	M6	2318-151	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4110	DY01	2318-152	MW	raw water	Prep Lab J-3-D	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4110	DY01	2318-153	MW	filt. water	Prep Lab J-3-D	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4112	PLO1	2318-154	MW	raw water	Prep Lab J-3-D	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4112	PLO1	2318-155	MW	filt. water	Prep Lab J-3-D	Cd, Cu, Pb, Zn	02/09/05	MLFM	G

cc: Project Manager/Central File  
Login File 2318

**SAMPLE LOGIN**  
(SOP# MSL-A-001)

Project Manager: Brandenberger  
Date Received: 02/09/05  
Batch: 4

PROJECT: FY05 Sinclair/Dyes Inlet Marine 1 - ENV200501

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	TYPE
M4113	PLO2	2318-156	MW	raw water	Prep Lab J-3-D	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4113	PLO2	2318-157	MW	filt. water	Prep Lab J-3-D	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4114	PLO3	2318-158	MW	raw water	Prep Lab J-3-D	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4114	PLO3	2318-159	MW	filt. water	Prep Lab J-3-D	Cd, Cu, Pb, Zn	02/09/05	MLFM	G

**SAMPLE LOGIN**  
(SOP# MSL-A-001)

Project Manager: Brandenberger  
Date Received: 3/2/05  
Batch: 5

PROJECTFY05 Sinclair Storm 1

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	Start Date	Start Time	INITIALS	TYPE
T1200	BL	2318*160	STW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1538	CS	EC-I
T1200	BL	2318*161	STW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1538	CS	EC-I
T1201	OC	2318*162	STW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1558	CS	EC-I
T1201	OC	2318*163	STW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1558	CS	EC-I
T1202	B-ST28	2318*164	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1521	CS	FC
T1202	B-ST28	2318*165	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1521	CS	FC
T1203	B-ST/CSO16	2318*166	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1452	CS	FC
T1203	B-ST/CSO16	2318*167	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1452	CS	FC
T1204	PSNS015	2318*168	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1741	CS	FC
T1204	PSNS015	2318*169	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1741	CS	FC
T1205	PSNS124	2318*170	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1726	CS	FC
T1205	PSNS124	2318*171	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1726	CS	FC
T1206	PSNS126	2318*172	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1732	CS	FC
T1206	PSNS126	2318*173	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1732	CS	FC
G1200	B-WWTP	2318*174	WWTP	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	03/01/05	725	CS	EC-G
G1200	B-WWTP	2318*175	WWTP	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	03/01/05	725	CS	EC-G
G1201	KAR-WWTP	2318*176	WWTP	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	03/01/05	800	CS	EC-G
G1201	KAR-WWTP	2318*177	WWTP	DME		Cd, Cu, Pb, Ag and Zn	03/01/05	800	CS	EC-G
G1202	B-ETF	2318*178	NOT COLLECTED							
G1202	B-ETF	2318*179	NOT COLLECTED							
G1205-A	WADOT-01A	2318*180	SW	TME	L Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	1705	CS	G
G1205-A	WADOT-01A	2318*181	SW	DME	L Floor B	Cu, Zn	02/28/05	1705	CS	G
G1205-B	WADOT-01A	2318*182	SW	TME	L Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	2238	CS	G
G1205-B	WADOT-01A	2318*183	SW	DME	L Floor B	Cu, Zn	02/28/05	2238	CS	G
G1205-C	WADOT-01A	2318*184	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	03/01/05	1021	CS	G
G1205-C	WADOT-01A	2318*185	SW	DME	K Floor B	Cu, Zn	03/01/05	1021	CS	G
G1206-A	WADOT-01B	2318*186	NOT COLLECTED							
G1206-A	WADOT-01B	2318*187	NOT COLLECTED							
G1206-B	WADOT-01B	2318*188	NOT COLLECTED							



**SAMPLE LOGIN**  
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Batch: 5

PROJECTFY05 Sinclair Storm 1

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	Start Date	Start Time	INITIALS	TYPE
G1206-B	WADOT-01B	2318*189	NOT COLLECTED							
G1206-C	WADOT-01B	2318*190	NOT COLLECTED							
G1206-C	WADOT-01B	2318*191	NOT COLLECTED							
G1207-A	WADOT-02	2318*192	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	1645	CS	G
G1207-A	WADOT-02	2318*193	SW	DME	K Floor B	Cu, Zn	02/28/05	1645	CS	G
G1207-B	WADOT-02	2318*194	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	2206	CS	G
G1207-B	WADOT-02	2318*195	SW	DME	K Floor B	Cu, Zn	02/28/05	2206	CS	G
G1207-C	WADOT-02	2318*196	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	03/01/05	1010	CS	G
G1207-C	WADOT-02	2318*197	SW	DME	K Floor B	Cu, Zn	03/01/05	1010	CS	G
G1208-A	WADOT-03	2318*198	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	1655	CS	G
G1208-A	WADOT-03	2318*199	SW	DME	K Floor B	Cu, Zn	02/28/05	1655	CS	G
G1208-B	WADOT-03	2318*200	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	2216	CS	G
G1208-B	WADOT-03	2318*201	SW	DME	K Floor B	Cu, Zn	02/28/05	2216	CS	G
G1208-C	WADOT-03	2318*202	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	03/01/05	1015	CS	G
G1208-C	WADOT-03	2318*203	SW	DME	K Floor B	Cu, Zn	03/01/05	1015	CS	G
<b><u>SEAWATER:</u></b>										
M4150	P3	2318*204	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	653	CS	G
M4150	P3	2318*205	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	653	CS	G
M4151	P2	2318*206	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	710	CS	G
M4151	P2	2318*207	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	710	CS	G
M4154	M4 DUP	2318*208	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn, and Hg	03/02/05	823	CS	G
M4154	M4 DUP	2318*209	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	823	CS	G
M4152	P1	2318*210	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	752	CS	G
M4152	P1	2318*211	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	752	CS	G
M4153	M4	2318*212	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	823	CS	G
M4153	M4	2318*213	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	823	CS	G
M4155	M3.3	2318*214	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	846	CS	G
M4155	M3.3	2318*215	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	846	CS	G
M4156	SN12	2318*216	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	900	CS	G
M4156	SN12	2318*217	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	900	CS	G
M4157	BJ-EST	2318*218	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	914	CS	G
M4157	BJ-EST	2318*219	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	914	CS	G

cc: Project Manager/Central File  
Login File 2318

**SAMPLE LOGIN**  
(SOP# MSL-A-001)

Project Manager: Brandenberger  
Date Received: 3/2/05  
Batch: 5

PROJECTFY05 Sinclair Storm 1

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	Start Date	Start Time	INITIALS	TYPE
M4158	M3.1	2318*220	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn, and Hg	03/02/05	947	CS	G
M4158	M3.1	2318*221	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	947	CS	G
M4159	M6	2318*222	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn, and Hg	03/02/05	1117	CS	G
M4159	M6	2318*223	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	1117	CS	G
M4160	DY01	2318*224	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn	03/02/05	958	CS	G
M4160	DY01	2318*225	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	958	CS	G
M4163	PL05	2318*226	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn	03/02/05	931	CS	G
M4163	PL05	2318*227	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	931	CS	G
M4164	PL06	2318*228	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn	03/02/05	1051	CS	G
M4164	PL06	2318*229	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	1051	CS	G
M4162	PL04	2318*230	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn	03/02/05	840	CS	G
M4162	PL04	2318*231	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	840	CS	G
<b><u>ORGANICS:</u></b>										
T1200	BL	2318*232	STW	NA	Outside Ref	Organics	02/28/05	1538	CS	EC-I
T1201	OC	2318*233	STW	NA	Outside Ref	Organics	02/28/05	1558	CS	EC-I
T1202	B-ST28	2318*234	SW	NA	Outside Ref	Organics	02/28/05	1521	CS	FC
T1203	B-ST/CSO16	2318*235	SW	NA	Outside Ref	Organics	02/28/05	1452	CS	FC
T1204	PSNS015	2318*236	SW	NA	Outside Ref	Organics	02/28/05	1741	CS	FC
T1205	PSNS124	2318*237	SW	NA	Outside Ref	Organics	02/28/05	1726	CS	FC
T1206	PSNS126	2318*238	SW	NA	Outside Ref	Organics	02/28/05	1732	CS	FC

# **SAMPLE LOGIN**

(SOP# MSL-A-001)

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Batch:

PROJECT: Sinclair Marine 3 FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	COLLECTION Time	INITIALS
M4200	P3	2318*239	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	646	CS
M4200	P3	2318*240	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	646	CS
M4201	P2	2318*241	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	710	CS
M4201	P2	2318*242	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	710	CS
M4202	P1	2318*243	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	747	CS
M4202	P1	2318*244	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	747	CS
M4203	M4	2318*245	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn, and Hg	03/19/05	829	CS
M4203	M4	2318*246	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	829	CS
M4204	M3.3	2318*247	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	844	CS
M4204	M3.3	2318*248	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	844	CS
M4205	SN12	2318*249	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	859	CS
M4205	SN12	2318*250	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	859	CS
M4206	SN12DUP	2318*251	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	859	CS
M4206	SN12DUP	2318*252	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	859	CS
M4207	BJ-EST	2318*253	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	913	CS
M4207	BJ-EST	2318*254	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	913	CS
M4208	M3.1	2318*255	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn, and Hg	03/19/05	940	CS
M4208	M3.1	2318*256	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	940	CS
M4209	M6	2318*257	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn, and Hg	03/19/05	1051	CS
M4209	M6	2318*258	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	1051	CS
M4210	DY01	2318*259	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	952	CS
M4210	DY01	2318*260	Dissolved	Prep Lab K-1-B	Cd, Cu, Pb, Zn	03/19/05	952	CS
M4212	PL07	2318*261	Total	Prep Lab K-1-B	Al, Cd, Cu, Pb, Zn	03/19/05	925	CS
M4212	PL07	2318*262	Dissolved	Prep Lab K-1-B	Cd, Cu, Pb, Zn	03/19/05	925	CS
M4213	PL08	2318*263	Total	Prep Lab K-1-B	Al, Cd, Cu, Pb, Zn	03/19/05	1030	CS
M4213	PL08	2318*264	Dissolved	Prep Lab K-1-B	Cd, Cu, Pb, Zn	03/19/05	1030	CS
M4214	PL09	2318*265	Total	Prep Lab K-1-B	Al, Cd, Cu, Pb, Zn	03/19/05	1030	CS
M4214	PL09	2318*266	Dissolved	Prep Lab K-1-B	Cd, Cu, Pb, Zn	03/19/05	1030	CS

**SAMPLE LOGIN**  
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Project Manager: Brandenberger  
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PROJECT: Sinclair Storm 2 FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	TYPE
T1209	B-ST28	2318*267	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1254	FC
T1209	B-ST28	2318*268	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1254	FC
T1210	B-ST/CSO16	2318*269	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1308	FC
T1210	B-ST/CSO16	2318*270	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1308	FC
T1211	PSNS015	2318*271	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1238	FC
T1211	PSNS015	2318*272	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1238	FC
T1212	PSNS124	2318*273	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1230	FC
T1212	PSNS124	2318*274	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1230	FC
T1213	PSNS126	2318*275	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1227	FC
T1213	PSNS126	2318*276	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1227	FC
T1207	BL	2318*277	STW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1240	EC-I
T1207	BL	2318*278	STW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1240	EC-I
T1208	OC	2318*279	STW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1236	EC-I
T1208	OC	2318*280	STW	DME	Prep Lab K-1-A	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1236	EC-I
T1221	B-ST12	2318*281	SW	TME	Prep Lab K-1-A	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1318	FC
T1221	B-ST12	2318*282	SW	DME	Prep Lab K-1-A	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1318	FC
G1210	KAR-WWTP	2318*283	WWTP	TME	Prep Lab K-1-A	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1300	EC-G
G1210	KAR-WWTP	2318*284	WWTP	DME	Prep Lab K-1-A	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1300	EC-G
G1214A	WADOT-01A	2318*285	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1428	G
G1214A	WADOT-01A	2318*286	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/19/05	1428	G
G1214B	WADOT-01A	2318*287	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1815	G
G1214B	WADOT-01A	2318*288	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/19/05	1815	G
G1214C	WADOT-01A	2318*289	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/20/05	1050	G
G1214C	WADOT-01A	2318*290	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/20/05	1050	G
G1216A	WADOT-02	2318*297	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1420	G
G1216A	WADOT-02	2318*298	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/19/05	1420	G
G1216B	WADOT-02	2318*299	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1800	G
G1216B	WADOT-02	2318*300	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/19/05	1800	G
G1216C	WADOT-02	2318*301	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/20/05	1035	G
G1216C	WADOT-02	2318*302	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/20/05	1035	G
G1217A	WADOT-03	2318*303	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1412	G

**SAMPLE LOGIN**  
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Project Manager: Brandenberger  
Date Received: 03/21/05  
Batch: 6

PROJECT: Sinclair Storm 2 FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	TYPE
G1217A	WADOT-03	2318*304	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/19/05	1412	G
G1217B	WADOT-03	2318*305	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1805	G
G1217B	WADOT-03	2318*306	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/19/05	1805	G
G1217C	WADOT-03	2318*307	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/20/05	1040	G
G1217C	WADOT-03	2318*308	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/20/05	1040	G
G1214B DUP	WADOT-01A	2318*316	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/19/05	1815	G
G1214B DUP	WADOT-01A	2318*317	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1815	G
G1214C DUP	WADOT-01A	2318*318	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/20/05	1052	G
G1214C DUP	WADOT-01A	2318*319	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/20/05	1052	G
<b><u>ORGANICS</u></b>										
T1209	B-ST28	2318*309	SW	Freshwater	Refrigerator	ORGANICS	CS,MLFM	03/19/05	1254	FC
T1210	B-ST/CSO16	2318*310	SW	Freshwater	Refrigerator	ORGANICS	CS,MLFM	03/19/05	1308	FC
T1211	PSNS015	2318*311	SW	Freshwater	Refrigerator	ORGANICS	CS,MLFM	03/19/05	1238	FC
T1212	PSNS124	2318*312	SW	Freshwater	Refrigerator	ORGANICS	CS,MLFM	03/19/05	1230	FC
T1213	PSNS126	2318*313	SW	Freshwater	Refrigerator	ORGANICS	CS,MLFM	03/19/05	1227	FC
T1207	BL	2318*314	STW	Freshwater	Refrigerator	No not Analyze	CS,MLFM	03/19/05	1240	EC-I
T1208	OC	2318*315	STW	Freshwater	Refrigerator	No not Analyze	CS,MLFM	03/19/05	1236	EC-I
T1221	B-ST12	2318*320	SW	Freshwater	Refrigerator	ORGANICS	CS,MLFM	03/19/05	1318	FC

**SAMPLE LOGIN**  
(SOP# MSL-A-001)

Project Manager: Brandenberger  
Date Received: 03/27/05  
Batch:

FW = Freshwater

PROJECT: FY 05 Dyes Storm 1

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
T1305	SW6	2318*321	SW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	140	FC
T1305	SW6	2318*322	SW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	140	FC
T1306	B-ST12	2318*323	SW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	136	FC
T1306	B-ST12	2318*324	SW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	136	FC
T1301	BA	2318*327	STW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	142	EC-I
T1301	BA	2318*328	STW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	142	EC-I
T1302	CC	2318*329	STW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	133	EC-I
T1302	CC	2318*330	STW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	133	EC-I
T1303	SC	2318*331	STW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	834	EC-I
T1303	SC	2318*332	STW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	834	EC-I
T1304	CH	2318*333	STW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	56	EC-I
T1304	CH	2318*334	STW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	56	EC-I
G1210	KAR-WWTP	2318*335	WWTP	Total - FW	Prep Lab J-2-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	800	EC-G
G1210	KAR-WWTP	2318*336	WWTP	Diss - FW	Prep Lab J-2-B	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	800	EC-G
T1307-A	B-ST01	2318*337	SW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn	JB	03/26/05	115	G
T1307-A	B-ST01	2318*338	SW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	115	G
T1307-B	B-ST01	2318*339	SW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn	JB	03/26/05	945	G
T1307-B	B-ST01	2318*340	SW	Diss - FW	Prep Lab I-1-B	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	945	G
T1307-C	B-ST01	2318*341	SW	Total - FW	Prep Lab I-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn	JB	03/26/05	1845	G
T1307-C	B-ST01	2318*342	SW	Diss - FW	Prep Lab I-1-B	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	1845	G
T1307	B-ST01	2318*371	SW	Total - FW	Prep Lab I-1-B	Hg	JB	03/26/05	115	EC-G
<b><u>ORGANICS</u></b>										
T1305	SW6	2318*374	SW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	140	FC
T1306	B-ST12	2318*376	SW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	136	FC
T1301	BA	2318*380	STW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	142	EC-I
T1302	CC	2318*382	STW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	133	EC-I
T1304	CH	2318*386	STW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	56	EC-I
T1307	B-ST01	2318*389	SW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	115	EC-G

cc: Project Manager/Central File  
Login File

# **SAMPLE LOGIN**

(SOP# MSL-A-001)

Project Manager: Brandenberger  
Date Received: 03/28/05  
Batch: 8

MW = Seawater

PROJECT: Sinclair Marine 4 FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	COLLECTION TIME	INITIALS
M4250	P3	2318*343	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	653	JB
M4250	P3	2318*344	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	653	JB
M4251	P2	2318*345	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	637	JB
M4251	P2	2318*346	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	637	JB
M4252	P1	2318*347	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	721	JB
M4252	P1	2318*348	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	721	JB
M4253	M4	2318*349	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn, and Hg	03/28/05	814	JB
M4253	M4	2318*350	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	814	JB
M4254	M3.3	2318*351	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	857	JB
M4254	M3.3	2318*352	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	857	JB
M4255	SN12	2318*353	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	910	JB
M4255	SN12	2318*354	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	910	JB
M4256	BJ-EST	2318*355	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn	03/28/05	922	JB
M4256	BJ-EST	2318*356	Diss - MW	Prep Lab J-4-C	Cd, Cu, Pb, Zn	03/28/05	922	JB
M4257	M3.1	2318*357	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn, and Hg	03/28/05	942	JB
M4257	M3.1	2318*358	Diss - MW	Prep Lab J-4-C	Cd, Cu, Pb, Zn	03/28/05	942	JB
M4258	M3.1DUP	2318*359	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn, and Hg	03/28/05	942	JB
M4258	M3.1DUP	2318*360	Diss - MW	Prep Lab J-4-C	Cd, Cu, Pb, Zn	03/28/05	942	JB
M4259	M6	2318*361	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn	03/28/05	1057	JB
M4259	M6	2318*362	Diss - MW	Prep Lab J-4-C	Cd, Cu, Pb, Zn	03/28/05	1057	JB
M4260	DY01	2318*363	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn	03/28/05	1002	JB
M4260	DY01	2318*364	Diss - MW	Prep Lab J-2-C	Cd, Cu, Pb, Zn	03/28/05	1002	JB
M4262	PL10	2318*365	Total - MW	Prep Lab J-2-C	Al, Cd, Cu, Pb, Zn	03/28/05	754	JB
M4262	PL10	2318*366	Diss - MW	Prep Lab J-2-C	Cd, Cu, Pb, Zn	03/28/05	754	JB
M4263	PL11	2318*367	Total - MW	Prep Lab J-2-C	Al, Cd, Cu, Pb, Zn	03/28/05	831	JB
M4263	PL11	2318*368	Diss - MW	Prep Lab J-2-C	Cd, Cu, Pb, Zn	03/28/05	831	JB
M4264	PL12	2318*369	Total - MW	Prep Lab J-2-C	Al, Cd, Cu, Pb, Zn	03/28/05	846	JB
M4264	PL12	2318*370	Diss - MW	Prep Lab J-2-C	Cd, Cu, Pb, Zn	03/28/05	846	JB

## SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger

Date Received: 4/1/2005

Batch: 10

PROJECT: FY05 Dyes Storm 2

FW = Freshwater

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
T1313	SW6	2318*391	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	2036	FC
T1313	SW6	2318*392	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	2036	FC
T1314	B-ST12	2318*393	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	1907	FC
T1314	B-ST12	2318*394	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	1907	FC
T1308	BI-SBC	2318*395	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	1849	FC
T1308	BI-SBC	2318*396	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	1849	FC
T1309	BA	2318*397	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	2000	EC-I
T1309	BA	2318*398	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	2000	EC-I
T1310	CC	2318*399	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	2157	EC-I
T1310	CC	2318*400	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	2157	EC-I
T1311	SC	2318*401	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	2032	EC-I
T1311	SC	2318*402	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	2032	EC-I
T1312	CH	2318*403	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	1819	EC-I
T1312	CH	2318*404	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	1819	EC-I
T1315A	B-ST01	2318*405	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	1750	G
T1315A	B-ST01	2318*406	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	1750	G
T1315B	B-ST01	2318*407	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	30	G
T1315B	B-ST01	2318*408	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	30	G
T1315C	B-ST01	2318*409	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	955	G
T1315C	B-ST01	2318*410	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	955	G
G1219	KAR-WWTP	2318*411	WWTP	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	04/01/05	730	EC-G
G1219	KAR-WWTP	2318*412	WWTP	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	04/01/05	730	EC-G
T1315	B-ST01	2318*441	SW	Total - FW	L-1-C	HG	JMB	03/31/05	1750	EC-G
<b>ORGANICS</b>										
T1313	SW6	2318*445	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	2036	FC
T1314	B-ST12	2318*446	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	1907	FC
T1308	BI-SBC	2318*447	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	1849	FC
T1311	SC	2318*450	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	2032	EC-I
T1315	B-ST01	2318*452	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	1750	EC-G



cc: Project Manager/Central File  
Login File

## **SAMPLE LOGIN**

(SOP# MSL-A-001)

Project Manager: Brandenberger

Date Received: 3/31/2005

Batch: 9

PROJECT: Wet Season Baseflow FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
T1316	BI-SBC	2318*453	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1120	D
T1317	BA	2318*455	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1318	CC	2318*457	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1120	D
T1319	SC	2318*459	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1320	CH	2318*461	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1321	SW6	2318*463	SW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1322	B-ST12	2318*465	SW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1323	B-ST01	2318*467	SW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1400	G
T1324	GC-SAN	2318*469	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1335	G
T1325	BL	2318*471	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1325	G
T1326	OC	2318*473	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1300	G
G1209	B-WWTP	2318*475	WWTP	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	838	EC-G
G1201	KAR-WWTP	2318*481	WWTP	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	830	EC-G
T1316	BI-SBC	2318*454	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1120	D
T1317	BA	2318*456	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1318	CC	2318*458	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1120	D
T1319	SC	2318*460	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1320	CH	2318*462	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1321	SW6	2318*464	SW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1322	B-ST12	2318*466	SW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1323	B-ST01	2318*468	SW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1400	G
T1324	GC-SAN	2318*470	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1335	G
T1325	BL	2318*472	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1325	G
T1326	OC	2318*474	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1300	G
G1209	B-WWTP	2318*476	WWTP	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	838	EC-G
G1201	KAR-WWTP	2318*482	WWTP	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	830	EC-G

cc: Project Manager/Central File  
Login File

## **SAMPLE LOGIN**

(SOP# MSL-A-001)

Project Manager: Brandenberger

Date Received: 3/31/2005

Batch: 9

PROJECT: Wet Season Baseflow FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
<b><u>ORGANICS:</u></b>										
T1316	BI-SBC	2318*504	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1120	D
T1318	CC	2318*506	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1120	D
T1320	CH	2318*508	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1110	D
T1321	SW6	2318*509	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1110	D
T1322	B-ST12	2318*510	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1110	D
T1323	B-ST01	2318*511	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1400	G

## **SAMPLE LOGIN**

(SOP# MSL-A-001)

Project Manager: Brandenberger

Date Received: 4/1/2005

Batch: 10

PROJECT: Make up event for Dyes 1 BI-SBC

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
T1300	BI-SBC	2318*454B	STW	Total	I-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	04/10/05	2047	FC
T1300	BI-SBC	2318*455B	STW	Dissolved	I-1-B	Cd, Cu, Pb, Ag and Zn	JMB	04/10/05	2047	FC
<b><u>ORGANICS</u></b>										
T1300	BI-SBC	2318*453B	STW	Total	Outside Refrig	ORGANICS	JMB	04/10/05	2047	FC

**Columbia Analytical Services Inc.  
Cooler Receipt and Preservation Form**

PC Christian

Project/Client Battelle Work Order K250 0540  
Cooler received on 1-21-05 and opened on 1-21-05 by BW

1. Were custody seals on outside of coolers? N-P Y ☒ N  
If yes, how many and where? \_\_\_\_\_
2. Were custody seals intact? Y ☒ N
3. Were signature and date present on the custody seals? Y ☒ N
4. Is the shipper's airbill available and filed? If no, record airbill number: Fed Ex on back also 7928-2745-6160 Y ☒ N
5. COC# \_\_\_\_\_  

Temperature of cooler(s) upon receipt: (°C)	<u>1.9</u>	<u>2.6</u>	<u>1.5</u>	<u>2.6</u>
Temperature Blank: (°C)	<u>N-P</u>	<u>N-P</u>	<u>N-P</u>	<u>N-P</u>
- Were samples hand delivered on the same day as collection? Y ☒ N
6. Were custody papers properly filled out (ink, signed, etc.)? Y ☒ N
7. Type of packing material present Hard Ice, ice Y ☒ N
8. Did all bottles arrive in good condition (unbroken)? Y ☒ N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? Y ☒ N
10. Did all bottle labels and tags agree with custody papers? Y ☒ N
11. Were the correct types of bottles used for the tests indicated? Y ☒ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? Y ☒ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y ☒ N
14. Did the bottles originate from CAS/K or a branch laboratory? Y ☒ N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? Y ☒ N
16. Was C12/Res negative? Y ☒ N

Explain any discrepancies: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

RESOLUTION: \_\_\_\_\_

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

Date: 1/20/2005  
Page: 1 of 2

**Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382**

800

**Phone: (360) 681-3668**

Cooler # 1 of 4

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

### Observations, Instructions

### Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Testing Parameters																Observations, Instructions	
				Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals		Organics
	T1100	1/19/05 1000	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	T1101	1/18/05 2230	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	T1102	1/19/05 0940	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	T1103	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	T1104	01/19/05 1130	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	T1105	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	T1106	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	T1114	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	G1101	01/18/05 2140	fresh water	X	X	X	X					X	X	X	X	X	X			5	WWTP composite
	G1108-A	1/17/2005 0120	fresh water			x	x									x	x			3	Grorst Restoration site discretes
	G1108-B	1/17/2005 1050	fresh water			x	x									x	x			3	Grorst Restoration site discretes
	G1108-C	1/17/2005 2030	fresh water			x	x									x	x			3	Grorst Restoration site discretes
																					Total # of Containers= 45

Relinquished by: Waxel 1/20/05 12:40  
Signature Date Time

Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Relinquished by:

Signature	Date	Time
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Printed Name                      Company

Received by: Tracy Black 1/25/05 1400  
Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Received by:		Company	
Signature	Date	Time	

Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Shipment Method:

Special Requirements or Conditions:

**Sample Disposition:**

**Distribution:**

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to  
**Battelle Marine Sciences Laboratory**

## Battelle

102508540

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 1 of 4

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

## Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers
	G1103-A	01/17/05 0145	fresh water			x	x									x	x				3
	G1103-B	01/17/05 1130	fresh water			x	x									x	x				3
	G1103-C	01/17/05 2100	fresh water			x	x									x	x				3
	G1104-A	1/17/2005 0130	fresh water			x	x									x	x				3
	G1104-B	1/17/2005 1715	fresh water			x	x									x	x				3
	G1104-C	1/17/2005 2050	fresh water			x	x									x	x				3
	G1105-A	1/17/2005 0155	fresh water			x	x									x	x				3
	G1105-B	1/17/2005 1105	fresh water			x	x									x	x				3
	G1105-C	1/17/2005 2110	fresh water			x	x									x	x				3
	G1105-B DUP	1/17/2005 1107	fresh water			x	x									x	x				3
	G1106-B	1/17/2005 1115	fresh water			x	x									x	x				3
	G1107-A	1/17/2005 0110	fresh water			x	x									x	x				3
	G1107-B	1/17/2005 1045	fresh water			x	x									x	x				3
	G1107-C	1/17/2005 2042	fresh water			x	x									x	x				3
Total # of Containers= 42																					

Relinquished by: [Signature] 1/20/05 12:40  
Signature Date Time  
Printed Name Company

Received by: [Signature] 1/24/05 1400  
Signature Date Time  
Printed Name Company

Relinquished by: \_\_\_\_\_  
Signature Date Time  
Printed Name Company

Received by: \_\_\_\_\_  
Signature Date Time  
Printed Name Company

Shipment Method:  
Special Requirements or Conditions:  
Sample Disposition:  
Distribution:  
1) 2 copies to the Laboratory  
2) 1 copy to project manager  
3) Return completed original to  
Battelle Marine Sciences Laboratory



Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Project Manager: Martin C. Miller  
Phone: (360) 681-3668Cooler # 2 of 4

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

## Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISS	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	
	G1103-A	01/17/05 0145	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1103-B	01/17/05 1130	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1103-C	01/17/05 2100	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1104-A	1/17/2005 0130	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1104-B	1/17/2005 1715	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1104-C	1/17/2005 2050	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1105-A	1/17/2005 0155	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1105-B	1/17/2005 1105	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1105-C	1/17/2005 2110	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1105-B DUP	1/17/2005 1107	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1106-B	1/17/2005 1115	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1107-A	1/17/2005 0110	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1107-B	1/17/2005 1045	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1107-C	1/17/2005 2042	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
				Total # of Containers= 42																		

Relinquished by: <i>P. Wood</i> 1/20/05 12:40	Received by: <i>Tracy Black</i> 1/20/05 1400	Shipment Method:
Signature _____ Date _____ Time _____	Signature _____ Date _____ Time _____	
Printed Name _____ Company _____	Printed Name _____ Company _____	Special Requirements or Conditions:
Relinquished by:	Received by:	Sample Disposition:
Signature _____ Date _____ Time _____	Signature _____ Date _____ Time _____	Distribution:
Printed Name _____ Company _____	Printed Name _____ Company _____	1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory



Date: 1/20/2005  
Page: 1 of 2

**Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382**

00012

**Phone: (360) 681-3668**

Cooler # 3 of 4

Address: 1317 South 13th Ave  
Kelso, WA 98626

**Attention:** Jeff Christian

### Observations, Instructions

Lab ID	Sample ID	Collection Date/Time	Matrix	Testing Parameters																	Observations, Instructions	
				Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics		No. of containers
	T1100	1/19/05 1000	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1101	1/18/05 2230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1102	1/19/05 0940	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1103	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1104	01/19/05 1130	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1105	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1106	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1114	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	G1101	01/18/05 2140	fresh water	X	X	X	X					X	X	X	X	X	X				5	WWTP composite
	G1108-A	1/17/2005 0120	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-B	1/17/2005 1050	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-C	1/17/2005 2030	fresh water			x	x									x	x				3	Gorst Restoration site discretes
Total # of Containers=																					45	

Relinquished by:     *K. Weel*         1/20/05         12:40      
Signature Date Time

Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Relinquished by:

Signature	Date	Time
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Signature	Date	Time
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Printed Name                      Company

Received by: Tracy Black 1/21/08 1400  
Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Signature *[Signature]* Date \_\_\_\_\_ Time \_\_\_\_\_

Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Received by:		
Signature	Date	Time

Signature	Date	Time
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Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Total # of Containers=	45
------------------------	----

Shipment Method:

**Special Requirements or Conditions:**

**Sample Disposition:**

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to  
Battelle Marine Sciences Laboratory

## Battelle

# SAMPLE CHAIN OF CUSTODY FORM

Date: 1/20/2005  
Page: 1 of 2

**Battelle**

Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382

00013

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 3 of 4

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

## Testing Parameters

## Observations, Instructions

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISS	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	
	T1100	1/19/05 1000	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1101	1/18/05 2230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1102	1/19/05 0940	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1103	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1104	01/19/05 1130	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1105	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1106	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1114	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	G1101	01/18/05 2140	fresh water	X	X	X	X					X	X	X	X	X	X				5	WWTP composite
	G1108-A	1/17/2005 0120	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1108-B	1/17/2005 1050	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
	G1108-C	1/17/2005 2030	fresh water			x	x									x	x				3	Gorst Restoration site discrettes
																					Total # of Containers= 45	

Relinquished by: [Signature] 1/20/05 12:40  
Signature Date Time

Printed Name Company

Relinquished by:

Signature Date Time

Printed Name Company

Received by: [Signature] 1/20/05 1400  
Signature Date Time

Printed Name Company

Received by:

Signature Date Time

Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

**Battelle**

# SAMPLE CHAIN OF CUSTODY FORM

Date: 1/20/2005  
 Page: 1 of 2

**Battelle**

Marine Sciences Laboratory  
 1529 W. Sequim Bay Road  
 Sequim, Washington 98382

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 6 of 4

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
 Kelso, WA 98626

Attention: Jeff Christian

## Testing Parameters

## Observations, Instructions

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers
	T1100	1/19/05 1000	fresh water	X	X	X	X					X	X	X	X	X	X				5
	T1101	1/18/05 2230	fresh water	X	X	X	X					X	X	X	X	X	X				5
	T1102	1/19/05 0940	fresh water	X	X	X	X					X	X	X	X	X	X				5
	T1103	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5
	T1104	01/19/05 1130	fresh water	X	X	X	X					X	X	X	X	X	X				5
	T1105	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5
	T1106	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5
	T1114	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5
	G1101	01/18/05 2140	fresh water	X	X	X	X					X	X	X	X	X	X				5
	G1108-A	1/17/2005 0120	fresh water			X	X									X	X				3
	G1108-B	1/17/2005 1050	fresh water			X	X									X	X				3
	G1108-C	1/17/2005 2030	fresh water			X	X									X	X				3

Relinquished by: [Signature] 1/20/05 12:40  
 Signature Date Time

Printed Name Company

Relinquished by:

Signature Date Time

Printed Name Company

Received by: [Signature] 1/20/05 1400  
 Signature Date Time

Printed Name Company

Received by:

Signature Date Time

Printed Name Company

Total # of Containers= 45

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

**Battelle**

SAMPLE CHAIN OF CUSTODY FORM

00014

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 4 of 4

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers
	G1103-A	01/17/05 0145	fresh water			x	x									x	x				3
	G1103-B	01/17/05 1130	fresh water			x	x									x	x				3
	G1103-C	01/17/05 2100	fresh water			x	x									x	x				3
	G1104-A	1/17/2005 0130	fresh water			x	x									x	x				3
	G1104-B	1/17/2005 1715	fresh water			x	x									x	x				3
	G1104-C	1/17/2005 2050	fresh water			x	x									x	x				3
	G1105-A	1/17/2005 0155	fresh water			x	x									x	x				3
	G1105-B	1/17/2005 1105	fresh water			x	x									x	x				3
	G1105-C	1/17/2005 2110	fresh water			x	x									x	x				3
	G1105-B DUP	1/17/2005 1107	fresh water			x	x									x	x				3
	G1106-B	1/17/2005 1115	fresh water			x	x									x	x				3
	G1107-A	1/17/2005 0110	fresh water			x	x									x	x				3
	G1107-B	1/17/2005 1045	fresh water			x	x									x	x				3
	G1107-C	1/17/2005 2042	fresh water			x	x									x	x				3
																					Total # of Containers= 42

Relinquished by: *R. Wood* 1/20/05 12:40  
Signature Date Time

Printed Name Company

Relinquished by:

Signature Date Time

Printed Name Company

Received by: *Tracy Black* 1/20/05 1:40  
Signature Date Time

Printed Name Company

Received by:

Signature Date Time

Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

- Distribution:
- 1) 2 copies to the Laboratory
  - 2) 1 copy to project manager
  - 3) Return completed original to Battelle Marine Sciences Laboratory

**Columbia Analytical Services Inc.  
Cooler Receipt and Preservation Form**

PC

*JCH*

Project/Client Ba Heile Work Order K250 0600  
Cooler received on 1/25/05 and opened on 1/25/05 by JBPack

1. Were custody seals on outside of coolers? Y ☒  
If yes, how many and where? \_\_\_\_\_
2. Were custody seals intact? Y ☒
3. Were signature and date present on the custody seals? Y ☒
4. Is the shipper's airbill available and filed? If no, record airbill number: \_\_\_\_\_ Y ☒
5. COC# \_\_\_\_\_  

Temperature of cooler(s) upon receipt: (°C)	<u>1.9</u>	<u>2.6</u>	<u>3.3</u>	<u>1.3</u>
Temperature Blank: (°C)	<u>1.9</u>	<u>2.7</u>	<u>NA</u>	
- Were samples hand delivered on the same day as collection? Y ☒
6. Were custody papers properly filled out (ink, signed, etc.)? ☒ N
7. Type of packing material present hard packs - foam - brms
8. Did all bottles arrive in good condition (unbroken)? ☒ N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? ☒ N
10. Did all bottle labels and tags agree with custody papers? ☒ N
11. Were the correct types of bottles used for the tests indicated? ☒ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ☒ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ☒ N
14. Did the bottles originate from CAS/K or a branch laboratory? ☒ N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? ☒ N
16. Was C12/Res negative? ☒ N

Explain any discrepancies: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

RESOLUTION: \_\_\_\_\_

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

00012

Date: 1/24/05  
Page: 7 of 4

Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

### Observations, Instructions

Phone: (360) 681-3668

Cooler # 1 of 4

## Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Testing Parameters																Observations, Instructions
				Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	
	G1112-A	1/22/05 0750	fresh water			X	X								X	X			3	Gorst Restoration site discretes
	G1112-B	1/22/05 1805	fresh water			X	X								X	X			3	Gorst Restoration site discretes
	G1112-C	1/22/05 2230	fresh water			X	X								X	X			3	Gorst Restoration site discretes
	G1113-A	1/22/05 1035	fresh water			X	X								X	X			3	Gorst Restoration site discretes
	G1113-B	1/22/05 1745	fresh water			X	X								X	X			3	Gorst Restoration site discretes
	G1113-C	1/22/05 2205	fresh water			X	X								X	X			3	Gorst Restoration site discretes
	G1112-A DUP 1	1/22/05 0753	fresh water			X	X								X	X			3	Gorst Restoration site discretes

Relinquished by: 1/24/05 1500

Received by: *[Signature]* 11/25/05

Total # of Containers =	21
-------------------------	----

**Shipment Method:**

*FedEx*  
Special Requirements or Conditions:  
*Cool 4°C + 2°*

**Sample Disposition:**

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to  
Battelle Marine Sciences Laboratory

Signature L. O'Rourke Date Ballville MS Time \_\_\_\_\_  
Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Signature: [Signature] Date: CAS Time:   
Printed Name:  Company:

Relinquished by:

Received by:

Signature	Date	Time
-----------	------	------

Signature	Date	Time
-----------	------	------

Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Printed Name \_\_\_\_\_ Company \_\_\_\_\_

Date: 1/24/05  
Page: 2 of 4

Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382

Cooler # 2 of 4

Attention: Jeff Christian

[illegible]

**Distribution:**

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Date 7/24/05  
Page 3 of 4

Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382

[illegible]

Phone: (360) 681-3668

Cooler # 3 of 4

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

### Observations, Instructions

## Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Testing Parameters																Observations, instructions	
				Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals		Organics
	G1110	1/22/05 0730	fresh water	X	X	X	X					X	X	X	X	X	X			5	WWTP composite
	T1107	1/22/05 0642	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	T1108	1/22/05 0530	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites
	T1109	1/22/05 0943	fresh water	X	X	X	X					X	X	X	X	X	X			5	ISCO composites

Relinquished by: <i>L.O. Rowe</i>			1/24/05			1500		
Signature			Date			Time		
<i>L.O. Rowe</i>			<i>Ballville msc</i>					
Printed Name			Company					

Received by:			
Signature		Date	Time
Printed Name		Company	

Total # of Containers =	20
-------------------------	----

Shipment Method:

*Fedex*  
Special Requirements or Conditions:

Cool  $40 \pm 2^{\circ}\text{C}$

**Sample Disposition:**

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to  
Battelle Marine Sciences Laboratory

Relinquished by:		
Signature	Date	Time
Printed Name	Company	

Received by:		
Signature	Date	Time
Printed Name	Company	



Date: 6/24/05  
Page: 4 of 4

Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382

100

Phone: (360) 681-3668

Cooler # 4 of 4

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

### Observations, Instructions

### Testing Parameters

[illegible]

Cooler received on 2/11/05 and opened on 2/11/05 by [Signature]

- FX Y ~~NO~~

- ~~Y-N~~

- Y N

- ~~SECRET~~ N

- 1.0      0.7

- |     |     |  |  |
|-----|-----|--|--|
| N/p | N/p |  |  |
|-----|-----|--|--|

~~Y-N~~

- N

- Y N

- V** **N**

- ⑤ N

- 

- IN

- Q N

- IN

- Y N

- $$Y \text{-----} N$$

RESOLUTION:

[illegible]

12501082

80000

COC Number:

## CHAIN OF CUSTODY FORM

Page: 2 of 2

Project No.: 43043

Project Name: TMDL in Sinclair &amp; Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Date:

Sample Team: Whitney, Walpole, Beckwith (PSNS)

Event: Sinclair Marine and Nearshore

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road  
Sequim, WA 98382

ATTN: Jeff Christian

Analyze parameters per Table 2-1 in ENVVEST QAPP

Observations, Instructions

Lab. Use only Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Cruise or Storm#	Jar#	% Full
	M4100-TS	2/9/2005 1301 PM	H2O			x	x														1	P3	2005ENV01		95
	M4101-TS	2/9/2005 1313 PM	H2O			x	x														1	P2	2005ENV01		95
	M4102-TS	2/9/05 1313 PM	H2O			x	x														1	P2 DUP	2005ENV01		95
	M4103-TS	2/9/2005 0841 AM	H2O			x	x														1	P1	2005ENV01		95
	M4104-TS	2/9/2005 0930 AM	H2O			x	x														1	M4	2005ENV01		95
	M4105-TS	2/9/2005 0951 AM	H2O			x	x														1	M3.3	2005ENV01		95
	M4106-TS	2/9/2005 1015 AM	H2O			x	x														1	SN12	2005ENV01		95
	M4107-TS	2/9/2005 1030 AM	H2O			x	x														1	BJ-EST	2005ENV01		95
	M4108-TS	2/9/2005 1054 AM	H2O			x	x														1	M3.1	2005ENV01		95
	M4109-TS	2/9/2005 1201 PM	H2O			x	x														1	M6	2005ENV01		95
	M4110-TS	2/9/2005 1110 AM	H2O			x	x														1	DY01	2005ENV01		95
	M4112-TS	2/9/2005 0914 AM	H2O			x	x														1	PL01	2005ENV01		95
	M4113-TS	2/9/2005 1045 AM	H2O			x	x														1	PL02	2005ENV01		95
	M4114-TS	2/9/2005 1225 PM	H2O			x	x														1	PL03	2005ENV01		95

Relinquished by:			Received by:			Total # of Containers	
Signature: <i>Rebecca Wood</i> Date: 2/10/05 Time: 11:30			Signature: <i>Tracy Black</i> Date: 2/10/05 Time: 1300			14	
Printed Name: REBECCA WOOD Company: BATTELLE			Signature: <i>Black</i> Date: CAS Time:			Shipment Method:	
			Printed Name: Company:			Special Requirements or Conditions:	
Relinquished by:			Received by:			Sample Disposition:	
Signature: Date: Time:			Signature: Date: Time:			Distribution:	
Printed Name: Company:			Printed Name: Company:			1) 2 copies to the Laboratory	
						2) 1 copy to project manager	
						3) Return completed original to Battelle Marine Sciences Laboratory	

COC Number:

## CHAIN OF CUSTODY FORM

Page: 1 of 2

Project No.: 43043  
 Project Name: TMDL in Sinclair & Dyes Inlets  
 Project Manager: Martin C. Miller  
 Phone: (360) 681-3668

Date: 2/10/2005  
 Sample Team: Whitney, Walpole, Beckwith (PSNS)  
 Event: Sinclair Marine and Nearshore

Laboratory: Battelle MSL  
 Address: 1529 W. Sequim Bay Road  
 Sequim, WA 98382  
 ATTN: Jeff Christian

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Cruise or Storm#	Jar#	% Full
	M4100	2/9/2005 07430 AM	H2O									x	x								2	P3	2005ENV01		95
	M4101	2/9/2005 0805 AM	H2O									x	x								2	P2	2005ENV01		95
	M4102	2/9/2005 0805 AM	H2O									x	x								2	P2 DUP	2005ENV01		95
	M4103	2/9/2005 0841 AM	H2O									x	x								2	P1	2005ENV01		95
	M4104	2/9/2005 0930 AM	H2O									x	x								2	M4	2005ENV01		95
	M4104NUTSHG	2/9/2005 0930 AM	H2O														x				1	M4	2005ENV01		95
	M4105	2/9/2005 0951 AM	H2O									x	x								2	M3.3	2005ENV01		95
	M4106	2/9/2005 1015 AM	H2O									x	x								2	SN12	2005ENV01		95
	M4107	2/9/2005 1030 AM	H2O									x	x								2	BJ-EST	2005ENV01		95
	M4108	2/9/2005 1054 AM	H2O									x	x								2	M3.1	2005ENV01		95
	M4108NUTSHG	2/9/2005 1054 AM	H2O														x				1	M3.1	2005ENV01		95
	M4109	2/9/2005 1201 PM	H2O									x	x								2	M6	2005ENV01		95
	M4109NUTSHG	2/9/2005 1201 PM	H2O														x				1	M6	2005ENV01		95
	M4110	2/9/2005 1110 AM	H2O									x	x								2	DY01	2005ENV01		95
	M4112	2/9/2005 0914 AM	H2O									x	x								2	PL01	2005ENV01		95
	M4113	2/9/2005 1045 AM	H2O									x	x								2	PL02	2005ENV01		95
	M4114	2/9/2005 1225 PM	H2O									x	x								2	PL03	2005ENV01		95

Relinquished by:  
*Rebecca Wood* 2/10/05 11:30  
 Signature Date Time  
 REBECCA WOOD BATTLE  
 Printed Name Company

Received by:  
*Tracy Black* 2/10/05 1300  
 Signature Date Time  
 Tracy Black BATTLE  
 Printed Name Company

Total # of Containers 31  
 Shipment Method:  
 Special Requirements or Conditions:  
 Sample Disposition:  
 Distribution:  
 1) 2 copies to the Laboratory  
 2) 1 copy to project manager  
 3) Return completed original to Battelle Marine Sciences Laboratory

Relinquished by:  
 Signature Date Time  
 Printed Name Company

Received by:  
 Signature Date Time  
 Printed Name Company

PC J. (K)-

Cooler received on 4/5/05 and opened on 4/5/05 by [signature]

Date: 4/4/2005  
Page: 2 of 2

**Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382**

**Chemistry Task Manager: Jill Brandenberger**  
**Phone: (360) 681-4564**

Cooler # 1 of 4

**Address:** 1317 South 13th Ave  
Kelso, WA 98626

**Attention: Jeff Christian**

[illegible]

Relinquished by: Phyllis Wood 4/4/05 12:05  
Signature Date Time  
R. Wood BATTELLE  
Printed Name Company

Received by: <i>[Signature]</i> <i>4/5/05 1000</i>		
Signature	Date	Time
<i>[Signature]</i>	<i>4/5</i>	<i>1000</i>
Printed Name	Company	

Total # of Containers=	55
------------------------	----

**Shipment Method:**

Special Requirements or Conditions:

**Sample Disposition:**

Relinquished by:		
Signature	Date	Time
Printed Name	Company	

Received by:		
Signature	Date	Time
Printed Name	Company	

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to  
Battelle Marine Sciences Laboratory

# SAMPLE CHAIN OF CUSTODY FORM

Date: 4/4/2005  
Page: 1 of       

**Battelle**

Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382

*22502392*

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger

Phone: (360) 681-4564

Cooler # 1 of 4

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

## Testing Parameters

## Observations, Instructions

Sample ID	Collection Date	Collection Start Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
T1313	3/31/2005	2036	fresh water	X	X	X	X					X	X	X	X	X	X				5	SW6
T1314	3/31/2005	1907	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST12
T1308	3/31/2005	1849	fresh water	X	X	X	X					X	X	X	X	X	X				5	BI-SBC
T1309	3/31/2005	2000	fresh water	X	X	X	X					X	X	X	X	X	X				5	BA
T1310	3/31/2005	2157	fresh water	X	X	X	X					X	X	X	X	X	X				5	CC
T1311	3/31/2005	2032	fresh water	X	X	X	X					X	X	X	X	X	X				5	SC
T1312	3/31/2005	1819	fresh water	X	X	X	X					X	X	X	X	X	X				5	CH
T1315	4/2/2005	900	fresh water									X	X	X	X						1	B-ST01 Composite
T1315-A	3/31/2005	1750	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete
T1315-B	4/1/2005	30	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete
T1315-C	3/31/2005	955	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete
G1219	4/1/2005	730	fresh water	X	X	X	X					X	X	X	X	X	X				5	KAR-WWTP
T1316	3/30/2005	1120	fresh water	X	X	X	X					X	X	X	X	X	X				5	BI-SBC
T1317	3/30/2005	1110	fresh water	X	X	X	X					X	X	X	X	X	X				5	BA
																					Total # of Containers= 66	

Relinquished by: *[Signature]* 4/4/05 12:05  
Signature Date Time  
R. WOOD BATTELLE  
Printed Name Company

Received by: *[Signature]* 4/5/05 1000  
Signature Date Time  
A. HAYNOR CAS  
Printed Name Company

Shipment Method:  
  
Special Requirements or Conditions:

Relinquished by:  
  
Signature Date Time  
  
Printed Name Company

Received by:  
  
Signature Date Time  
  
Printed Name Company

Sample Disposition:  
Distribution:  
1) 2 copies to the Laboratory  
2) 1 copy to project manager  
3) Return completed original to  
Battelle Marine Sciences Laboratory

**Columbia Analytical Services Inc.  
Cooler Receipt and Preservation Form**

PC J. Christ

Project/Client BARRUE Work Order K250 2680

Cooler received on 4/13/05 and opened on 4/13/05 by [Signature]

1. Were custody seals on outside of coolers?  
If yes, how many and where? FX Y ☒ N
2. Were custody seals intact? Y ☐ N ☐
3. Were signature and date present on the custody seals? Y ☐ N ☐
4. Is the shipper's airbill available and filed? If no, record airbill number: 790978289867 Y ☐ N ☒
5. COC# \_\_\_\_\_  
 Temperature of cooler(s) upon receipt: (°C) 4.7 \_\_\_\_\_  
 Temperature Blank: (°C) N/A \_\_\_\_\_  
 Were samples hand delivered on the same day as collection? Y ☐ N ☒
6. Were custody papers properly filled out (ink, signed, etc.)? ☒ N
7. Type of packing material present Buemp
8. Did all bottles arrive in good condition (unbroken)? Y ☒ N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? Y ☒ N
10. Did all bottle labels and tags agree with custody papers? Y ☒ N
11. Were the correct types of bottles used for the tests indicated? Y ☒ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? Y ☒ N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y ☐ N
14. Did the bottles originate from CAS/K or a branch laboratory? Y ☒ N ☒
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? Y ☐ N
16. Was C12/Res negative? Y ☐ N

Explain any discrepancies: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

RESOLUTION: \_\_\_\_\_

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

00009



Date: 4/12/2005  
Page: 1 of

**Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382**

**Project Name:** TMDL in Sinclair & Dyes Inlets

**Chemistry Task Manager: Jill Brandenberger**

**Phone: (360) 681-4564**

Cooler # \_\_\_\_\_ of \_\_\_\_\_

**Laboratory: Columbia Analytical Svcs**

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

### Observations, Instructions

## Testing Parameters

[illegible]

PC L. Cres

Cooler received on 3/30/05 and opened on 3/30/05 by AS

- FX Y ~~(N)~~

 $\overline{YN}$ 

- Y-N

- (Y) N

- 4.2

- NP

~~Y~~ N

- Q N

- Q N

- Q Y N

- IN  
N

- 4 N  
5 N

- Y N

- C N

- $$\text{Y} \text{---} \text{N}$$

- $\mathcal{Y}$
- N

- $$\underline{Y} - N$$

RESOLUTION: \_\_\_\_\_

[illegible]

# SAMPLE CHAIN OF CUSTODY FORM

Date: 3/29/2005  
 Page: 1 of       

**Battelle**

Marine Sciences Laboratory  
 1529 W. Sequim Bay Road  
 Sequim, Washington 98382

80000

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger

Phone: (360) 681-4564

Cooler # 2 of 2

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

## Testing Parameters

Observations, Instructions

Sample ID	Collection Date	Collection Start Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+ Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
M4250	3/28/2005	653	seawater			X	X									X	X				3	
M4251	3/28/2005	637	seawater			X	X									X	X				3	
M4252	3/28/2005	721	seawater			X	X									X	X				3	
M4253	3/28/2005	814	seawater			X	X					X	X	X	X	X	X				4	
M4254	3/28/2005	857	seawater			X	X									X	X				3	
M4255	3/28/2005	910	seawater			X	X									X	X				3	
M4256	3/28/2005	922	seawater			X	X									X	X				3	
M4257	3/28/2005	942	seawater			X	X					X	X	X	X	X	X				4	
M4258	3/28/2005	942	seawater			X	X					X	X	X	X	X	X				4	
M4259	3/28/2005	1057	seawater			X	X									X	X				3	
M4260	3/28/2005	1002	seawater			X	X									X	X				3	
M4262	3/28/2005	754	seawater			X	X									X	X				3	
M4263	3/28/2005	831	seawater			X	X									X	X				3	
M4264	3/28/2005	846	seawater			X	X									X	X				3	Total # of Containers= 45

Relinquished by: Michael Wood 3/29/05 13:40  
 Signature Date Time  
R. Wood BATTELLE  
 Printed Name Company

Received by: [Signature] 3/30/05 1000  
 Signature Date Time  
[Signature] CAT  
 Printed Name Company

Shipment Method:  
 Special Requirements or Conditions:  
 Sample Disposition:

Relinquished by:  
 Signature Date Time  
 Printed Name Company

Received by:  
 Signature Date Time  
 Printed Name Company

Distribution:  
 1) 2 copies to the Laboratory  
 2) 1 copy to project manager  
 3) Return completed original to  
 Battelle Marine Sciences Laboratory

162502263

0009

## Testing Parameters

Total # of Containers=	5
------------------------	---

Shipment Method:
Special Requirements or Conditions:
Sample Disposition:
Distribution: 1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory



**SAMPLE CHAIN OF CUSTODY FORM**

Date: 3/28/2005  
 Page: 1 of       

12502197

**Battelle**

Marine Sciences Laboratory  
 1529 W. Sequim Bay Road  
 Sequim, Washington 98382

80000

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger

Phone: (360) 681-4564

Cooler #        of       

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

**Testing Parameters**

**Observations, Instructions**

Sample ID	Collection Date	Collection Start Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID	
T1305	3/26/2005	140	fresh water	X	X	X	X					X	X	X	X	X	X				5	SW6	
T1306	3/26/2005	136	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST12	
T1301	3/26/2005	142	fresh water	X	X	X	X					X	X	X	X	X	X				5	BA	
T1302	3/26/2005	133	fresh water	X	X	X	X					X	X	X	X	X	X				5	CC	
T1303	3/26/2005	834	fresh water	X	X	X	X					X	X	X	X	X	X				5	SC	
T1304	3/26/2005	56	fresh water	X	X	X	X					X	X	X	X	X	X				5	CH	
T1307	3/26/2005	115	fresh water									X	X	X	X						1	B-ST01 Composite	
T1307 A	3/26/2005	115	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete	
T1307 B	3/26/2005	945	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete	
T1307 C	3/26/2005	1845	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete	
Relinquished by: <u>Rebecca Wood</u> <u>3/28/05</u> <u>10:15</u>				Received by: <u>Jeff Christian</u> <u>3/28/05</u> <u>10:00</u>				Total # of Containers= <u>46</u>														Shipment Method:	
Signature <u>REBECCA WOOD</u> Date <u>3/28/05</u> Time <u>10:15</u>				Signature <u>Jeff Christian</u> Date <u>3/28/05</u> Time <u>10:00</u>				Special Requirements or Conditions:														Sample Disposition:	
Printed Name <u>REBECCA WOOD</u> Company <u>BATTELLE</u>				Printed Name <u>Jeff Christian</u> Company <u>CAS</u>				Distribution:														1) 2 copies to the Laboratory	
Relinquished by:				Received by:				2) 1 copy to project manager														3) Return completed original to	
Signature _____ Date _____ Time _____				Signature _____ Date _____ Time _____				Battelle Marine Sciences Laboratory															
Printed Name _____ Company _____				Printed Name _____ Company _____																			

**Columbia Analytical Services Inc.  
Cooler Receipt and Preservation Form**

PC CHRISTIAN

Project/Client Battelle Work Order K250 1584  
Cooler received on 3/4/05 and opened on 3/4/05 by JR Blake

1. Were custody seals on outside of coolers?  
If yes, how many and where? 11 1495 Y ☒
2. Were custody seals intact? 11 1497 Y ☒
3. Were signature and date present on the custody seals? 11 1492 Y ☒
4. Is the shipper's airbill available and filed? If no, record airbill number: 79149567203 Y ☒
5. COC#  

Temperature of cooler(s) upon receipt: (°C)	<u>4.0</u>	<u>3.7</u>	<u>3.9</u>	
Temperature Blank: (°C)	<u>Na</u>	<u>1.9</u>	<u>2.0</u>	
- Were samples hand delivered on the same day as collection? Y ☒
6. Were custody papers properly filled out (ink, signed, etc.)? ☒ N
7. Type of packing material present gel packs
8. Did all bottles arrive in good condition (unbroken)? ☒ N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? ☒ N
10. Did all bottle labels and tags agree with custody papers? ☒ N
11. Were the correct types of bottles used for the tests indicated? ☒ N
12. Were all of the preserved bottles received at the lab with the appropriate pH? Y ☒
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ☒ N
14. Did the bottles originate from CAS/K or a branch laboratory? ☒ N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection? Y ☒
16. Was C12/Res negative? Y ☒

Explain any discrepancies: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

RESOLUTION: \_\_\_\_\_

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials
M4158	H <sub>2</sub> SO <sub>4</sub>	> 1/4ml	EMK25713202	250		VB
M4163 x 2						
M4164						
T1200						
M4153 x 2						
M4154						
M4156						
B.T. Est						

Date: 3/3/2005  
Page: 1 of 3

**Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382**

**Project Manager: Martin C. Miller**  
**Phone: (360) 681-3668**

Cooler # 4 of 4

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

[illegible]



# SAMPLE CHAIN OF CUSTODY FORM

Date: 3/3/2005  
 Page: 1 of 1

**Battelle**

Marine Sciences Laboratory  
 1529 W. Sequim Bay Road  
 Sequim, Washington 98382

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 4 of 4

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
 Kelso, WA 98626

Attention: Jeff Christian

## Testing Parameters

Observations, Instructions

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
T1200	2/28/2005	1538	fresh water	X	X	X	X					X	X	X	X	X	X				5	BL
T1201	2/28/2005	1558	fresh water	X	X	X	X					X	X	X	X	X	X				5	OC
T1202	2/28/2005	1521	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST28
T1203	2/28/2005	1452	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST/CSO16
T1204	2/28/2005	1741	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS015
T1205	2/28/2005	1726	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS124
T1206	2/28/2005	1732	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS126
G1200	3/1/2005	725	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-WWTP
G1201	3/1/2005	800	fresh water	X	X	X	X					X	X	X	X	X	X				5	KAR-WWTP
G1205-A	2/28/2005	1705	fresh water			x	x									x	x				3	WADOT-01A
G1205-B	2/28/2005	2238	fresh water			x	x									x	x				3	WADOT-01A
G1205-C	3/1/2005	1021	fresh water			x	x									x	x				3	WADOT-01A
																					Total # of Containers= 45	

Relinquished by: Rebecca Wood 3/3/05 12:00  
 Signature Date Time  
REBECCA WOOD BATTELLE  
 Printed Name Company

Received by: Tracy Black 3/4/05 1100  
 Signature Date Time  
Black CDAS  
 Printed Name Company

Shipment Method:  
 Special Requirements or Conditions:  
 Sample Disposition:

Relinquished by:  
 Signature Date Time  
 Printed Name Company

Received by:  
 Signature Date Time  
 Printed Name Company

Distribution:  
 1) 2 copies to the Laboratory  
 2) 1 copy to project manager  
 3) Return completed original to  
 Battelle Marine Sciences Laboratory

# SAMPLE CHAIN OF CUSTODY FORM

Date: 3/3/2005  
Page: 1 of 2

**Battelle**

Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382

Project No.: 43043	Cooler # <u>4</u> of <u>4</u>	Laboratory: Columbia Analytical Svcs
Project Name: TMDL in Sinclair & Dyes Inlets		Address: 1317 South 13th Ave Kelso, WA 98626
Project Manager: Martin C. Miller Phone: (360) 681-3668		Attention: Jeff Christian

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
G1207-A	2/28/2005	1645	fresh water			x	x									x	x				3	WADOT-02
G1207-B	2/28/2005	2206	fresh water			x	x									x	x				3	WADOT-02
G1207-C	3/1/2005	1010	fresh water			x	x									x	x				3	WADOT-02
G1208-A	2/28/2005	1655	fresh water			x	x									x	x				3	WADOT-03
G1208-B	2/28/2005	2216	fresh water			x	x									x	x				3	WADOT-03
G1208-C	3/1/2005	1015	fresh water			x	x									x	x				3	WADOT-03
M4150	3/2/2005	653	fresh water			x	x									x	x				3	P3
M4151	3/2/2005	710	fresh water			x	x									x	x				3	P2
M4152	3/2/2005	752	fresh water			x	x									x	x				3	P1
M4153	3/2/2005	823	fresh water			x	x									x	x				3	M4
M4154	3/2/2005	823	fresh water			x	x									x	x				3	M4 DUP
M4155	3/2/2005	846	fresh water			x	x									x	x				3	M3.3
M4156	3/2/2005	900	fresh water			x	x									x	x				3	SN12
M4157	3/2/2005	914	fresh water			x	x									x	x				3	BJ-EST
																						Total # of Containers= 42

Relinquished by: <i>Rebecca Wood</i> <u>3/3/05</u> <u>12:00</u> Signature      Date      Time <u>REBECCA WOOD</u> <u>BATTELLE</u> Printed Name      Company	Received by: <i>Garry Black</i> <u>3/4/05</u> <u>1100</u> Signature      Date      Time <u>Garry Black</u> <u>BA</u> Printed Name      Company	Shipment Method:  Special Requirements or Conditions:  Sample Disposition: Distribution: 1) 2 copies to the Laboratory 2) 1 copy to project manager 3) Return completed original to Battelle Marine Sciences Laboratory
Relinquished by:  Signature      Date      Time  Printed Name      Company	Received by:  Signature      Date      Time  Printed Name      Company	

**Columbia Analytical Services Inc.  
Cooler Receipt and Preservation Form**

PC JChri

Project/Client Battelle Marine Sci Work Order K250 2085  
Cooler received on 3/23/08 and opened on 3/25/08 by TBlack

1. Were custody seals on outside of coolers?

If yes, how many and where? \_\_\_\_\_

Y ☒ N

2. Were custody seals intact?

Y ☒ N

3. Were signature and date present on the custody seals?

Y ☒ N

4. Is the shipper's airbill available and filed? If no, record airbill number: \_\_\_\_\_

Y ☒ N

5. COC# \_\_\_\_\_

Temperature of cooler(s) upon receipt: (°C)

Temperature Blank: (°C)

<u>4.2</u>	<u>3.8</u>	<u>4.5</u>	<u>4.8</u>	<u>3.5</u>
<u>n/a</u>	<u>n/a</u>	<u>2.0</u>	<u>3.5</u>	<u>3.0</u>

Were samples hand delivered on the same day as collection?

Y ☒ N

6. Were custody papers properly filled out (ink, signed, etc.)?

Y ☒ N

7. Type of packing material present \_\_\_\_\_

gel packs bags

8. Did all bottles arrive in good condition (unbroken)?

Y ☒ N

9. Were all bottle labels complete (i.e analysis, preservation, etc.)?

Y ☒ N

10. Did all bottle labels and tags agree with custody papers?

Y ☒ N

11. Were the correct types of bottles used for the tests indicated?

Y ☒ N

12. Were all of the preserved bottles received at the lab with the appropriate pH?

Y ☒ N

13. Were VOA vials checked for absence of air bubbles, and if present, noted below?

Y ☒ N

14. Did the bottles originate from CAS/K or a branch laboratory?

Y ☒ N

15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?

Y ☒ N

16. Was C12/Res negative?

Y ☒ N

Explain any discrepancies: \_\_\_\_\_

COC not relinquished

G1214-B Sup, listed on COC with 5 Btts, only rec'd  
1-2 white & 2-250 ml yellow -

RESOLUTION: \_\_\_\_\_

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

# SAMPLE CHAIN OF CUSTODY FORM

Date: 3/22/2005  
Page: 1 of       

**Battelle**

Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382

102502085

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger

Phone: (360) 681-4564

Cooler #        of       

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
Kelso, WA 98626

Attention: Jeff Christian

## Testing Parameters

## Observations, Instructions

Sample ID	Collection Date	Collection Start Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
T1207	3/19/2005	1240	fresh water	X	X	X	X					X	X	X	X	X	X				5	BL
T1208	3/19/2005	1236	fresh water	X	X	X	X					X	X	X	X	X	X				5	OC
T1209	3/19/2005	1254	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST28
T1210	3/19/2005	1308	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST/CSO16
T1211	3/19/2005	1238	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS015
T1212	3/19/2005	1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS124
T1213	3/19/2005	1227	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS126
G1210	3/19/2005	1300	fresh water	X	X	X	X					X	X	X	X	X	X				5	KAR-WWTP
G1214-B DUP	3/19/2005	1815	fresh water	X	X	X	X					X	X	X	X	X	X			3	5	WADOT-01A
G1214-A	3/19/2005	1428	fresh water			X	X									X	X				3	WADOT-01A
G1214-B	3/19/2005	1815	fresh water			X	X									X	X				3	WADOT-01A
G1214-C	3/20/2005	1050	fresh water			X	X									X	X				3	WADOT-01A
G1214-C DUP	3/20/2005	1052	fresh water			X	X									X	X				3	WADOT-01A
																					Total # of Containers= 57	

Relinquished by:

Received by:

Shipment Method:

Signature Date Time

Signature Date Time

Special Requirements or Conditions:

Printed Name Company

Printed Name Company

Sample Disposition:

Relinquished by:

Received by:

Distribution:

Signature Date Time

Signature Date Time

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Printed Name Company

Printed Name Company

# SAMPLE CHAIN OF CUSTODY FORM

Date: 3/22/2005  
 Page: 2 of       

**Battelle**

Marine Sciences Laboratory  
 1529 W. Sequim Bay Road  
 Sequim, Washington 98382

102502085

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger  
 Phone: (360) 681-4564

Cooler #        of       

Laboratory: Columbia Analytical Svcs

Address: 1317 South 13th Ave  
 Kelso, WA 98626

Attention: Jeff Christian

## Testing Parameters

Sample ID	Collection Date	Collection Time	Matrix	Testing Parameters																	Station ID	
				Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics		No. of containers
G1216-A	3/19/2005	1420	fresh water			x	x									x	x				3	WADOT-02
G1216-B	3/19/2005	1800	fresh water			x	x									x	x				3	WADOT-02
G1216-C	3/20/2005	1035	fresh water			x	x									x	x				3	WADOT-02
G1217-A	3/19/2005	1412	fresh water			x	x									x	x				3	WADOT-03
G1217-B	3/19/2005	1805	fresh water			x	x									x	x				3	WADOT-03
G1217-C	3/20/2005	1040	fresh water			x	x									x	x				3	WADOT-03
M4200	3/21/2005	646	seawater			x	x									x	x				3	P3
M4201	3/21/2005	710	seawater			x	x									x	x				3	P2
M4202	3/21/2005	747	seawater			x	x									x	x				3	P1
M4203	3/21/2005	829	seawater			x	x					x	x	x	x	x	x				4	M4
M4204	3/21/2005	844	seawater			x	x									x	x				3	M3.3
M4205	3/21/2005	859	seawater			x	x									x	x				3	SN12
M4206	3/21/2005	859	seawater			x	x									x	x				3	SN12 DUP
M4207	3/21/2005	913	seawater			x	x									x	x				3	BJ-EST
																						Total # of Containers= 43

Relinquished by:

Signature Date Time

Printed Name Company

Relinquished by:

Signature Date Time

Printed Name Company

Received by:

*Jan Clavin*  
 Signature Date Time  
*John A. Clark* 3/23/05 1002  
 Printed Name Company

Received by:

Signature Date Time

Printed Name Company

Total # of Containers= 43

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:

- 1) 2 copies to the Laboratory
- 2) 1 copy to project manager
- 3) Return completed original to Battelle Marine Sciences Laboratory

Date: 3/22/2005  
Page: 1 of #VALUE!

**Marine Sciences Laboratory  
1529 W. Sequim Bay Road  
Sequim, Washington 98382**

162502085

Project No.: 43043	Cooler # _____ of _____	Laboratory: Columbia Analytical Svcs
Project Name: TMDL in Sinclair & Dyes Inlets		Address: 1317 South 13th Ave Kelso, WA 98626
Project Manager: Martin C. Miller Phone: (360) 681-3668		Attention: Jeff Christian
Testing Parameters		

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
M4208	3/21/2005	940	Seawater			X	X					X	X	X	X	X	X				4	M3.1
M4209	3/21/2005	1051	I			X	X					X	X	X	X	X	X				4	M6
M4210	3/21/2005	952				X	X									X	X				3	DY01
M4212	3/21/2005	925				X	X									X	X				3	PL07
M4213	3/21/2005	1030				X	X									X	X				3	PL08
M4214	3/21/2005	1030				X	X									X	X				3	PL09
T1221	3/19/2005	1318	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST12
										</												

Relinquished by:			Received by:			Shipment Method:		
Signature	Date	Time	Signature	Date	Time	Special Requirements or Conditions:		
Printed Name	Company		Printed Name	Company		Sample Disposition:		
Relinquished by:			Received by:			Distribution:		
Signature	Date	Time	Signature	Date	Time	1) 2 copies to the Laboratory		
Printed Name	Company		Printed Name	Company		2) 1 copy to project manager		
						3) Return completed original to Battelle Marine Sciences Laboratory		

10

# Composite Ratio Worksheet: 2005 Storm Water Conventionals

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- Gorst
- Sinclair Inlet
- Dyes Inlet

Storm #1 ENVVEST FY05  
Gorst Event #1: 17 - 18 Jan 05  
Compositing Scheme for Stormwater Sites

Lab ID Series	T1100-LMK136										
Station ID											
Bottle	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>	<u>K</u>
Date	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	18-Jan	18-Jan	18-Jan
Time	0054	0354	0654	0954	1203	1503	1803	2103	0003	0303	0603
Compositing %	5%	10%	0%	15%	25%	15%	10%	5%	5%	5%	5%
Tide Level	going low	low	going high	high	going low	low	low	going high	high	going low	low
% Full	100	100	20	60	100	100	100	100	100	100	85

Lab ID Series	T1104-LMK122										
Station ID											
Bottle	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>	<u>K</u>
Date	16-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	18-Jan	18-Jan
Time	2357	0257	0557	0857	1157	1457	1757	2057	2357	0257	0557
Compositing %	5%	5%	5%	15%	25%	10%	10%	10%	5%	5%	5%
Tide Level	going low	low	going high	high	going low	low	low	going high	high	going low	low
% Full	100	100	100	100	100	100	100	100	100	100	100

Lab ID Series	T1105-LMK038										
Station ID											
Bottle	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>	
Date	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	18-Jan	18-Jan	
Time	0213	0513	0813	1113	1413	1713	2013	2313	0213	0513	
Compositing %	5%	10%	20%	20%	15%	10%	5%	5%	5%	5%	
Tide Level	na										
% Full	100	100	100	100	100	100	100	100	100	100	

Lab ID Series	T1106-PO-POBLVD										
Station ID											
Bottle	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>	<u>K</u>
Date	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	18-Jan	18-Jan	18-Jan
Time	0047	0347	0647	0947	1247	1547	1847	2147	0047	0347	0647
Compositing %	5%	5%	5%	15%	20%	15%	10%	10%	5%	5%	5%
Tide Level	na										
% Full	100	100	100	100	100	100	100	100	100	100	90



Storm #2 ENVVEST FY05  
Gorst Event #2: 22 Jan 05  
Compositing Scheme for Stormwater Sites

Lab ID Series Station ID	T1107- LMK136				
<u>Bottle</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
Date	22-Jan	22-Jan	22-Jan	22-Jan	22-Jan
Time	0642	0942	1242	1542	1842
Tide Level	low	going high	high	going low	low
% Full	100	100	100	100	75
Flow (cubic ft)	35019	26694	32319	32778	24210
%of flow	21.5%	16%	20%	20%	15%
<b>COMPOSITE</b>	<b>25%</b>	<b>20%</b>	<b>10%</b>	<b>30%</b>	<b>15%</b>
Total Storm Flow (cubic ft)					163,053
					93%
					<b>100%</b>

Lab ID Series Station ID	T1111- LMK122				
<u>Bottle</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
Date	22-Jan	22-Jan	22-Jan	22-Jan	22-Jan
Time	0922	1222	1522	1822	2122
Tide Level	low	going high	high	going low	low
% Full	100	100	100	100	40
Flow (cubic ft)	27324	34272	36918	45387	12024
%of flow	16%	20%	22%	27%	7%
<b>COMPOSITE</b>	<b>20%</b>	<b>20%</b>	<b>25%</b>	<b>30%</b>	<b>5%</b>
Total Storm Flow (cubic ft)					170,658
					91%
					<b>100%</b>

Lab ID Series Station ID	T1112- LMK038				
<u>Bottle</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
Date	22-Jan	22-Jan	22-Jan	22-Jan	22-Jan
Time	0821	1121	1421	1721	2021
Tide Level	na				
% Full	100	100	100	100	50
Flow (cubic ft)	963	1377	1107	1350	153
%of flow	18%	25%	20%	25%	3%
<b>COMPOSITE</b>	<b>25%</b>	<b>25%</b>	<b>20%</b>	<b>25%</b>	<b>5%</b>
Total Storm Flow (cubic ft)					5,445
					91%
					<b>100%</b>

Lab ID Series Station ID	T1113- PO-POBLVD				
<u>Bottle</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
Date	22-Jan	22-Jan	22-Jan	22-Jan	22-Jan
Time	0628	0928	1228	1528	1828
Tide Level	na				
% Full	100	100	100	100	80
Flow (cubic ft)	*Flowlink shows total flow of -25k; bulk of positive flow in Bottle A				
%of flow	Use LMK136 compositing plan as a guide				
<b>COMPOSITE</b>	<b>35%</b>	<b>20%</b>	<b>15%</b>	<b>15%</b>	<b>15%</b>
Total Storm Flow (cubic ft)					0%
					<b>100%</b>

Storm #3 ENVVEST FY05  
Sinclair Event #1: 28 Feb - 1 Mar 05  
Compositing Scheme for Stormwater Sites

Lab ID Series Station ID		T1202 B-ST28															
Bottle		A		B		C		D		E		F		G			
Date		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar		1-Mar			
Time		1521		1821		2121		0021		0321		0621		0921			
Tide Level	na	na		na		na		na		na		na		na			
% Full		50		100		100		100		0		45		100		Total Storm Flow (cubic ft)	
Flow (cubic ft)		4824		2142		8037		9621		11655		2223		414		41,967	
%of flow		11%		5%		19%		23%		28%		5%		1%		93%	
COMPOSITE		20%		10%		30%		35%		0%		5%		0%		100%	

Lab ID Series Station ID		T1203 B-ST/CSO16															
Bottle		A		B		C		D		E		F		G			
Date		28-Feb		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar			
Time		1452		1752		2052		2352		0252		0552		0852			
Tide Level	na	na		na		na		na		na		na		na		Total Storm Flow (cubic ft)	
% Full		100		100		100		100		100		100		100		11,574	
Flow (cubic ft)		2124		1134		1611		2664		3033		423		0		95%	
%of flow		18.4%		10%		14%		23%		26%		4%		0%		100%	
COMPOSITE		20%		10%		15%		25%		25%		5%		0%			

Lab ID Series Station ID		T1204 PSNS015															
Bottle		A		B		C		D		E		F		G			
Date		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar		1-Mar			
Time		1741		2041		2341		0241		0541		0841		1141			
Tide Level	low to high	high		low		low to high		high		high to low		low				Total Storm Flow (cubic ft)	
% Full		100		100		100		100		100		100		25		43,767	
Flow (cubic ft)		1755		11619		17640		3987		2979		7965		414		106%	
%of flow		4%		27%		40%		9%		7%		18%		1%		100%	
COMPOSITE		5%		35%		40%		15%		0%		5%		0%			

Lab ID Series Station ID		T1205 PSNS124		Note: Physio-Chem data indicate salt water mixing w/ storm water at all periods EXCEPT during bottles C and D; take all samples from these bottles													
Bottle		A		B		C		D		E		F		G			
Date		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar		1-Mar			
Time		1726		2026		2326		0226		0526		0826		1126			
Tide Level	low to high	high		low		low to high		high		high to low		low				Total Storm Flow (cubic ft)	
% Full		100		100		100		100		100		100		45		24849	
Flow (cubic ft)		351		2484		16146		2745		-120		2403		3717		63%	
%of flow		1%		6%		37%		6%		0%		5%		8%		100%	
COMPOSITE		0%		0%		80%		20%		0%		0%		0%			

Lab ID Series Station ID		T1206 PSNS126		Note: Physio-Chem data indicate partial salt-water mixing in bottle B ONLY. No samples from this bottle													
Bottle		A		B		C		D		E		F		G			
Date		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar		1-Mar			
Time		1732		2032		2332		0232		0532		0832		1132			
Tide Level	low to high	high		low		low to high		high		high to low		low				Total Storm Flow (cubic ft)	
% Full		100		100		100		100		100		100		50		53019	
Flow (cubic ft)		441		10602		17082		17352		-279		3294		63		111%	
%of flow		1%		24%		39%		40%		-1%		8%		0%		100%	
COMPOSITE		10%		0%		50%		40%		0%		0%					

Storm #4 ENVVEST FY05  
Sinclair Event #2: 19 - 20 Mar 05

Compositing Scheme for Stormwater Sites

Lab ID Series	T1209
Station ID	B-ST28

Bottle	A	B	C	D	E	F	G	H
Date	19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar
Time	1254	1554	1854	2154	0054	0354	0654	0954
Tide Level	na	na	na	na	na	na	na	na
% Full	100	100	95	100	100	100	100	80
Flow (cubic ft)	32850	45711	2952	4734	2889	9477	20205	2772
% of flow	25%	38%	2%	4%	2%	7%	15%	2%
COMPOSITE	30%	40%	0%	5%	0%	10%	15%	
Volume in Jar	3.4	3.4	3.2	3.4	3.4	3.4	3.4	2.7
Volume needed for 5L	1.5	2	0	0.25	0	0.5	0.75	0
Vol. for 10L	3	4	0	0.5	0	1	1.5	0

Total Storm Flow (cubic Check	130,356	121590	121590
ballpark check			
	96%		
	100%		
	5		
	10		

Lab ID Series	T1210
Station ID	B-ST/CSO16

Bottle	A	B	C	D	E	F	G	H
Date	19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar
Time	1308	1608	1908	2208	0108	0408	0708	1008
Tide Level	na	na	na	na	na	na	na	na
% Full	100	100	100	100	100	100	100	50
Flow (cubic ft)	13473	10548	0	819	801	3888	1512	0
% of flow	40%	31%	0%	2%	2%	12%	4%	0%
COMPOSITE	45%	35%	0%	0%	0%	15%	5%	
Volume in Jar	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7
Volume needed for 5L	2.25	1.75	0	0	0	0.75	0.25	0
Vol. for 10L	4.5	3.5	0	0	0	1.5	0.5	0

Total Storm Flow (cubic Check	33,687	31041	31041
ballpark check			
	92%		
	100%		
	5		
	10		

Lab ID Series	T1211
Station ID	PSNS015

Bottle	A	B	C	D	E	F	G	H
Date	19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar
Time	1238	1538	1838	2138	0038	0338	0638	0938
Tide Level	high to low	low	low to high	high	high to low	low	low	low
% Full	100	100	100	100	100	100	100	85
Flow (cubic ft)	60804	80451	2484	3672	12789	29277	16128	0
Flow (cubic ft)	60804	80451	2484			14638.5	16128	0
% of flow	35%	46%	1%	0%	0%	8%	9%	0%
COMPOSITE	35%	50%	0%	0%	0%	5%	10%	0%
Volume in Jar	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.9
Volume needed for 5L	1.75	2.5	0	0	0	0.25	0.5	0
Vol. for 10L	3.5	5	0	0	0	0.5	1	0

Total Storm Flow (cubic Check	220,005	205605	205605
ballpark check			
	174,506	174505.5	174506
	100%		
	100%		
	5		
	10		

Lab ID Series	T1212
Station ID	PSNS124

Bottle	A	B	C	D	E	F	G	H
Date	19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar
Time	1230	1530	1830	2130	0030	0330	0630	0930
Tide Level	high to low	low	low to high	high	high to low	low	low	low
% Full	100	100	100	100	100	100	100	70
Flow (cubic ft)	14661	22005	2925	0	0	1575	4644	1629
% of flow	26%	39%	5%	0%	0%	3%	8%	3%
COMPOSITE	35%	50%	0%	0%	0%	5%	10%	0%
Volume in Jar	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.4
Volume needed for 5L	1.75	2.5	0	0	0	0.25	0.5	0
Vol. for 10L	3.5	5	0	0	0	0.5	1	0

Total Storm Flow (cubic Check	56,493	47439	47439
ballpark check			
	84%		
	100%		
	5		
	10		

Lab ID Series	T1213
Station ID	PSNS126

Bottle	A	B	C	D	E	F	G	H
Date	19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar
Time	1227	1527	1827	2127	0027	0327	0627	0927
Tide Level	high to low	low	low to high	high	high to low	low	low	low
% Full	100	100	100	100	100	100	100	60
Flow (cubic ft)	75114	68904	0	0	4248	4374	25335	1782
% of flow	40%	37%	0%	0%	2%	2%	14%	1%
COMPOSITE	45%	40%	0%	0%	0%	5%	10%	0%
Volume in Jar	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.0
Volume needed for 5L	2.25	2	0	0	0	0.25	0.5	0
Vol. for 10L	4.5	4	0	0	0	0.5	1	0

Total Storm Flow (cubic Check	186,876	179757	179757
ballpark check			
	96%		
	100%		
	5		
	10		

Lab ID Series	T1221
Station ID	B-ST12

Bottle	A	B	C	D	E	F	G	H
Date	19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar
Time	1318	1618	1918	2218	0118	0418	0718	1018
Tide Level	na	na	na	na	na	na	na	na
% Full	80	100	100	100	100	100	100	90
Flow (cubic ft)	6255	4572	1152	3501	3933	5265	3861	2970
% of flow	19%	14%	3%	11%	12%	16%	12%	9%
COMPOSITE	30%	20%	0%	10%	10%	15%	10%	5%
Volume in Jar	2.7	3.4	3.4	3.4	3.4	3.4	3.4	3.1
Volume needed for 5L	1.5	1	0	0.5	0.5	0.75	0.5	0.25
Vol. for 10L	3	2	0	1	1	1.5	1	0.5

Total Storm Flow (cubic ft)	33,174	31509	31509
ballpark check			
	95%		
	100%		
	5		
	10		

**Storm #5 ENVVEST FY05**  
**Dyes Inlet Event #1: 26 Mar 05**  
**Compositing Scheme for Stormwater Sites**

Lab ID Series		T1305				
Station ID		SW6				
Bottle	A	B	C	D	E	F
Date	26-Mar	26-Mar	26-Mar	26-Mar	26-Mar	26-Mar
Time	0140	0440	0740	1040	1340	1640
Tide Level	low to high	high	high to low	low	low to high	high
% Full	100	100	100	100	100	100
Flow (cubic ft)	60759	121671	217089	136017	82044	34299
%of flow	9%	19%	31%	21%	12%	5%
COMPOSITE	10%	20%	30%	25%	10%	5%

Total Storm Flow (cubic ft)	ballpark check
710,082	651879
95%	
100%	

Lab ID Series		T1306				
Station ID		B-ST12				
Bottle	A	B	C	D	E	F
Date	26-Mar	26-Mar	26-Mar	26-Mar	26-Mar	26-Mar
Time	0136	0436	0736	1036	1336	1636
Tide Level	na	na	na	na	na	na
% Full	100	100	100	100	90	90
Flow (cubic ft)	8262	11664	6534	3501	13356	6849
%of flow	15%	22%	12%	6%	25%	13%
COMPOSITE	20%	25%	30%	15%	10%	0%

Total Storm Flow (cubic ft)	ballpark check
54,072	50166
93%	
100%	

Rainfall	0.29	0.32	0.35	0.23	0.1	
& of total rainfall	0.224806202	0.248062016	0.271317829	0.178294574	0.07751938	
	22	25	27	18	8	
rainfall based compositing %	20	25	30	15	10	

1.29
100
100

Sampling Ends
 Total Sampling Period

Storm BI-SBC MKUP Event ENVVEST FY05  
 BI-SBC Makeup Event; Dyes #3: 10 April 05  
 Proposed Compositing Scheme for Stormwater Sites

Lab ID Series		T1300					
Station ID		BI-SBC		12-HR			
<u>Bottle</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>		
Date	10-Apr	11-Apr					
Time	20:47	2:47					
Tide Level	NA	NA					
% Full	100	100				Total Storm Flow (cubic ft)	ballpark check
Flow (cubic ft)	45318	69139				115,532	114457
%of flow	39%	60%	0%	0%	0%	99%	
COMPOSITE	40%	60%					
3							

3

Storm #6 ENVVEST FY05  
Dyes Inlet Event #2: 1 April 05  
Compositing Scheme for Stormwater Sites

Lab ID Series	T1308				30 hrs		
Station ID	BI-SBC						
Bottle	A	B	C	D	E		
Date	31-Mar	1-Apr	1-Apr	1-Apr			
Time	1849	0049	0649	1249			
Tide Level	NA	NA	NA	NA			
% Full	100	100	100	20			
Flow (cubic ft)	52690	107429	95340	5298			
%of flow	20%	41%	36%	2%	0%		
COMPOSITE	20%	45%	35%	0%			
vol. Available (L)	3.7	3.7	3.7	0.7			
Vol for 5L	1.0	2.3	1.8	0.0			
vol for 10L	2.0	4.5	3.5	0.0			
	1.6	3.6	2.8	0.0			

Total Storm Flow (cubic ft)	ballpark check
264,504	260757
99%	
100%	

8

Total Storm Flow (cubic ft)    ballpark check  
264,504    260757  
99%  
100%

Lab ID Series		T1313										30 hrs	
Station ID		SW6											
Bottle	A	B	C	D	E	F	G	H	I	J			
Date	31-Mar	31-Mar	1-Apr	1-Apr	1-Apr								
Time	2036	2336	0236	0536	0836								
Tide Level	sl - rising	high	sl-fall	slack	high								
% Full	100	100	100	100	65								
Flow (cubic ft)	60849	100224	102969	30411	11223						Total Storm Flow (cubic ft)	ballpark check	
%of flow	18%	30%	31%	9%	3%	0%	0%	0%	0%	0%	330,390	305676	
COMPOSITE	20%	35%	40%	5%	0%						93%	100%	
vol. Available (L)	3.7	3.7	3.7	3.7									
Vol for 5L	1.0	1.8	2.0	0.3									
vol for 10L	2.0	3.5	4.0	0.5									
peak of storm													

Total Storm Flow (cubic ft)    ballpark check  
330,390    305676  
93%  
100%

peak of storm    tidally influenced

Lab ID Series	T1314										30 hrs		
Station ID	B-ST12												
Bottle	A	B	C	D	E	F	G	H	I	J			
Date	31-Mar	31-Mar	1-Apr	1-Apr	1-Apr								
Time	19:07	22:07	1:07	4:07	7:07								
Tide Level	NA	NA	NA	NA	NA								
% Full	100	100	100	95	80								
Flow (cubic ft)	9567	9855	11106	9819	4914						Total Storm Flow (cubic ft)	ballpark check	
%of flow	19%	20%	22%	20%	10%	0%	0%	0%	0%	0%	49,581	45261	
COMPOSITE	25%	20%	30%	20%	5%						91%	100%	
vol. Available (L)	3.7	3.7	3.7	3.5	3.0								
Vol for 5L	1.3	1.0	1.5	1.0	0.3								
vol for 10L	2.5	2.0	3.0	2.0	0.5								

Total Storm Flow (cubic ft)    ballpark check  
49,581    45261  
91%  
100%

front loaded to get first flush

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